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Guyerdet, Marcinn, Marcinn A. - -, Conservateur de la collection géologique
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Japan, Washington D.C. U.S. 78.80.84.

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Waterhouse, Capt. J. — —, No. 1 Wood St. Calcutta, India, page 890.

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(Henry)

[illegible]

[illegible]
[illegible]
Geology.
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]

within the region a part of the whole of a district
court of U. S. Williams and some land north
and part Canyon of [illegible]

Lay of the Land. — The northern boundary
of the parallelogram is 11 miles north of [illegible]
mountain as it runs, or about a thousand
feet above the general level in the region of the
mouth of Turkey Creek. Here it [illegible] and
follows north of the mountain more parallel to
it through the whole length of the [illegible]
of nearly the same height and into these parts
by the narrow gorge of Turkey and Little Creek. The
mountain [illegible] is called Pond Mountain, from
the numerous ponds upon it, and the [illegible]
are called Chestnut Mountain, [illegible]
name is also sometimes given to [illegible]
of Rocky Mountain and gives rise to [illegible]
It would be convenient to keep it entirely to
Turkey Creek [illegible] is about the middle [illegible]
and the Little Creek [illegible] at the middle of
the western [illegible]. Both creeks [illegible] near the
upper [illegible] and [illegible] [illegible]
[illegible] in the direction east [illegible]
[illegible] of the [illegible] Rocky Mountains [illegible]

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straight all the rest must be curved, from an infinite number of directions, and by the theory include an infinite number of different ages, which is an absurdity.

The same absurdity in the theory is still more evident when the axis of a fold is strikingly curved; as often happens in the Appalachian region and elsewhere, and is well shown by Prof. Lesley's remarkable map of Pennsylvania in Dana's Manual of Geology page 406. A loose piece of carpet pushed violently from one side would hardly crumple it more irregular folds. It is probable enough to suppose that a great lack of uniformity in the thickness, hardness or flexibility of the rock mass of folded rocks at different places would cause irregularity in the direction of the folds, even if the pressure came uniformly all along one side and perhaps from many different points. Thus even there it may be that within many limited districts of uniform composition a certain parallelism exists between mountain ridges of folds, it seems wild to believe in such law for the whole

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Rocks. — The rocks of the region are al-
most wholly sandstones and shales; and all
belong wholly or chiefly to the formation called
in Pennsylvania and Virginia No. X, corre-
sponding to the lower part of the Lower Silurian
system. They are green at the bottom, brown
in the middle and [illegible] at the top. On the top
of Brushy Mountain, near the southwest
corner of the [illegible] tract, near the middle
of [illegible] and consequently among the lowest
[illegible] of the region, are cliffs of a
[illegible] rock made up of rounded pebbles
[illegible] as peas, and smaller, of white and
very translucent quartz, with some crystals
[illegible], in part if not wholly, just north of
the region and just south of it the blue lime
rock of Formation II (Lower Silurian) appears,
[illegible] likewise found in smaller patches within
the region in the middle of some of the basins, [illegible]
[illegible] the deep portions of the basins. The
[illegible] the layers of the limestock at least
[illegible] ~~[illegible]~~ appear to be layers of
[illegible] rock.

[illegible] to be outcropping in the region [illegible]

at least 2000 feet & perhaps 4500 feet in thickness of the rock ... Old Baldy, and in the Red basin north of Red Mountain some fifty feet of the lime rock is shot. There are numerous spurs and ridges of the outcrops on each side, but they cannot be taken for four beds. The upper one of the Bay Ore Bed, appears to be 600 feet below the lime rock; the next lower, the Thomas Ore Bed, is about 100 feet below the Bay Ore Bed; the next lower, the Cole Ore Bed, is about 1300 feet below the Thomas Ore Bed; and the lowest, the Old Mountain Ore Bed is about 400 feet below the Cole Ore Bed; and from that the lowest rocks outcropping are where the top of Red Mountain crosses the west line of the Thomas tract is perhaps 1500 feet. The ore of all the beds is brown hematite.

Old Mountain Ore Bed. The Old Mountain Ore Bed seems not to be found everywhere strictly within the region, but is found at the Old Mountain Ore Bank about the southeast corner of the Wightman,

the Sioux Fall [illegible] Brookings Mountain at the left of the road
[illegible] while between Kemps Creek and
East [illegible] Creek in the west. All this land
Rises [illegible] very gradually [illegible] Many long
[illegible] and the soil is very rich
to [illegible] and besides them there are three small
[illegible] the bottom of the land is not inferior, but
[illegible] and the second first, perhaps the best [illegible]
[illegible] and [illegible] furnishes it [illegible] water, and
[illegible] [illegible] to make a very high [illegible] of the land
[illegible] [illegible] land not too high, [illegible]
[illegible] is a very beautiful pure [illegible] honey.
[illegible] but pretty compact & [illegible].
[illegible] of the smaller flowers the [illegible]
[illegible] a blue color and is more compact
[illegible] other parts it is said to make [illegible]
[illegible] from it to the bees, but [illegible]
[illegible] them to eat or from the [illegible]. Honey
finely when mixed with the other, but as it
[illegible] a little [illegible] it [illegible] just the right pro-
portion [illegible] to [illegible] we were wholly
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

greatly pebbles smaller than peas, united by a brown hematite cement, making a brown iron ore [illegible] of inferior quality.

The outcrop of the bed is discoverable at [illegible] places in the region by [illegible] of ore, [illegible] be found [illegible] [illegible] Mountain at the west end of the Hemlock Knob [illegible] the top of the mountain and on the [illegible] south [illegible] [illegible] on both sides of the mountain [illegible] the top, so that the bed seems to be persistent over a wide space although [illegible] [illegible] [illegible] known.

The bed being the outcrop [illegible] come very near the surface all along the top of [illegible] Mountain, and to have, ~~[illegible]~~ [illegible] [illegible] outcrop this part of the region. On the south side of the Bald Mountain saddle its outcrop [illegible] from the western edge of the Thomas tract three miles and a quarter nearly across the tract, and then the same outcrop returns westward on the north side of the saddle, about three miles to the western boundary again, making for the whole Bald Mountain outcrop six miles and upwards [illegible] on the top of the mountain. [illegible]

of this Reef seems not to come to the surface again anywhere. The whole length of which is found in the Gold region would be about thirteen miles and a quarter.

The amount of ore in Tons above the [illegible] Gold Region can be roughly calculated for an assumed average thickness of 6 ft. It cannot be taken at more than this as about a hundred feet above the Main Creek where it enters the flat it is found to be much thinner. Assuming the Reef to be of the same thickness as where they [illegible] Main Creek. Some numbers of tons will be the multiplied by the number of feet in length and average thickness, which will assume to give 6 ft. As the Reef may be assumed then to be [illegible] Tons for each foot of average thickness, 1 7,110,000 tons; in the Gold Region [illegible] feet in length which amounts to 1,230,000 tons. Assuming 1 foot of average thickness.

Again the average thickness of ore to be 6 ft (the multiplier of the number of feet in length amount of ore) to

8,500,000 Tons

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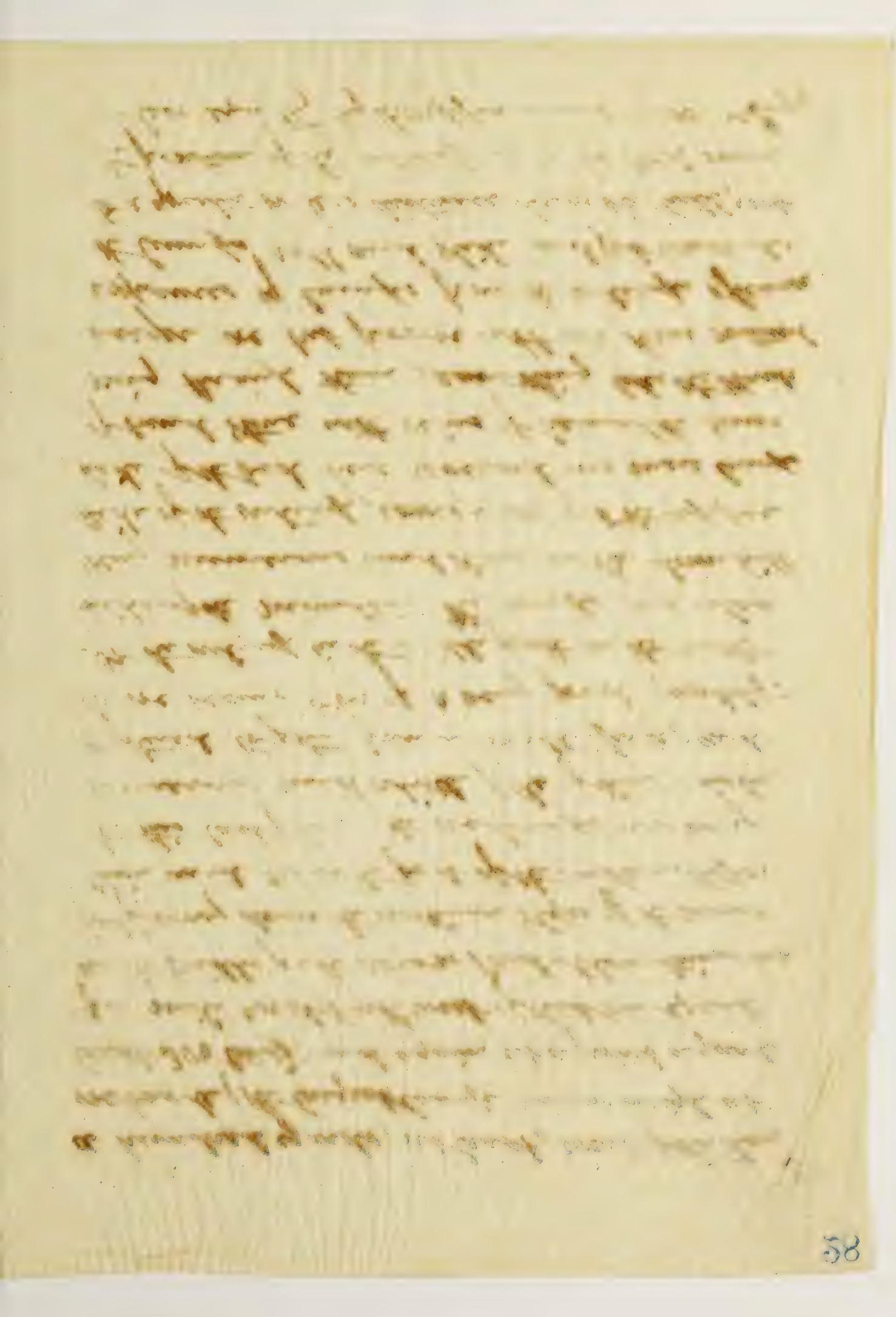
a hut a small [illegible] a yard or two square and
about a yard deep. Several log ends and
some charcoal and pottery, and the
whole evidence which he could not
account, but it is likely Indians
made the hearth. They thought
still to be seen about with stakes
around the opening and [illegible]
a compact [illegible] pits
[illegible] all is filled with small white stones
recent gravel [illegible] the stone of the Human
hand, except that the grains have been
all worn smooth as a pebble and
the richness of the soil seems to be
one as of the human hand. Here is [illegible]
close to the [illegible]

[illegible] the same kind the great
[illegible] and [illegible] hard by there are
holes about forty yards apart, from which all
trees, even large trees have [illegible] and north
side of Rocky Mountain, a hundred yards
east of the road at the western boundary of
Kansas, and three quarters of a mile south
eastward of the forks of Walnut Creek. At the



The same bed, as it seems, is found at the William Ore Bank on the G. W. William Ranch on the other (north) side of the Pond Mountain Valley about 150 yards east of Kennedy's and near the northern ~~limit~~ edge of the west side of Haley's Creek at the foot of Pond Mountain. The bank consists of two old holes a couple of yards in diameter and about as deep in the side of the hill; and it would seem that the solid bed was not found near enough the loose lumps for near & rich ore. Judging by the lumps still lying about the bank the ore is a very compact brown hematite, similar to the ore of the Ore Bank in Pittsylvania, but still purer.

The same bed apparently is found 150 yards southeast of the William bank on the other side of the Cabin and Cook Valley near the foot of the northern slope of the Cook Valley, at the Pinkard's Ore Bank. This is likewise only a small hole in the ground, where probably only the loose lumps of the ore were found and it has been abandoned for fifteen or sixteen years. The

grind brown hematite, but not perfectly free from siliceous matter.

This bed seems also to be the one found at the Forks on Yank in the Campbell Mountain tract on the left hand side about three hundred yards east of the forks of the Creek and about a hundred yards north of the South Fork of the Creek. The bed is laid down hill from the top of the hill but was found by small holes made by the [illegible] digging high up the hill, but the bed does not seem to have been explored thoroughly as to thickness and the rock is near flat on. The ore is brown hematite of very fine quality and is so pure in part as to have the fine [illegible] form and the rock is compact.

This seems to be also the bed that is found on the west side Bank on the South side of Stone Mountain, about a quarter of a mile south of the Furnace. One specimen from this bed was given me [illegible] I send it to Prof. Lea the Professor [illegible]

[illegible] Hills; making in all nearly 250 miles and a half for the length of the Hematite outcrop. But the ore has not been found continuous for the whole of this distance, but in detached masses, which it is quite likely that the middle 150 miles or more will prove to be very poor in Hematite ore, but that the ore bearing portions will be found separated by comparatively short distances. It should also be mentioned that although a former owner of the Cranberry tract sunk several pits on it, no ore (with the exception of a few tons of specular ore) was found; so that the existence of the deposit in that portion of the property is entirely a matter of inference.

The amount in the [illegible] above the lowest water level of the region has been calculated as for the above mentioned beds, and is as follows: of the Hematite beds 1,740,000 tons; of the Limonite beds 3,990,000 tons; of the [illegible]

3,010,000 tons, on the Gulf Saddle and 6,000,000 tons on 7 claims; making in all 10,130,000 tons.

The bed may be taken from the Cyprus pit that have been sampled by the geological survey of Canada and of fine quality throughout the region. It is impossible to state without more thorough trial pits what the thickness is to be worked on the average and what consequently should be the multiplier of the number of tons per foot in the full amount above the bed above tide level; but it would seem to be perfectly safe to judge by the best exposures alone.

All Kinds Ore Beds — Mode of Occurrence — The mode of occurrence of these ores has already been discussed in a paper read at the Washington meeting of the American Association for the Advancement of Science 1857, Vol. XVI, p. 116. There parallel cross sections show that the thickness of seams or beds and nodular segregations alternate corresponding lenses as the upper and lower Red Mountain sandstone and upper basin coal [illegible], as if they were the outcrops of one bed of ore conformable

like other rocks. At places on Jones Creek are found the solid beds and the remains, [illegible] the softer portions have worn away, of solid banks of regular shape and heavy weight of two hundred tons or more scattered irregularly through brown gravelly loam. The are (all brown limestone) sometimes very fine, often times in all rounded or angular pieces or pebbles of white quartz, and sometimes they are cemented together in a solid piece of light brown sandstone.

The deposits of bones and teeth are [illegible] in every respect like those found in common throughout the [illegible] valley of the Mississippi and its tributaries, and extend as far southward. They seem beyond a doubt to be the broken pieces from the wrecks of [illegible] ancient races, stone sledges or implements of metal, blocks of any kind of wood or the flesh like fossil bones or other fragments of gold or tin ore, but beyond that [illegible] of the metal hardness, bulk and weight [illegible]. They do not [illegible] any [illegible] have been [illegible]

region in Iron Mountain and South Carolina
that are among the richest ores of wrought
iron to be found in the United States. Iron
Mountain is in the Valley Mountain, and the region
round it is in the valley region; so that the ores
of this region are valuable for making iron.

Iron Works. — The Marion Furnace was
the only blast furnace in the region, and
stood at the northern corner of the town, on
Ruby's Creek. It was begun in 1860, and
first blew in March 1862. It was taken
by the rebel government, and made to furnish
from 200 to 300 tons in 1863 and
500 tons in 1864; or about 800 tons in all. On the 16
Dec, 1864, it was burned by Gen. Thomas's
soldiers and the wood work entirely destroyed
but the stack remained. The stack is pretty
good condition. It was about 40 feet high, the
first across the tunnel head and tapered away
to the top, with two tuyères, and furnished with
a hot blast, though only cold blast was used. The
[illegible] was also a coke furnace along side.

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at Northampton. He was a colleague of Hannibal Hayes on the Board. He married here last Thursday evening, under very sad circumstances. She was confined to her bed the next day by her usual headache, which has been daily at work and seems to get worse instead of better. Of course I take all the credit possible for my skill in dealing with engagements. He has gone Board right opposite me. Next, but third door to the Mayhews where he is for a boarding house, with Lucky and Ned and her, and Lucky and her mother. Then comes a little tan family, whose name I forget. Then comes Thomas Sanderson, then comes Chicky Potter, a civil engineer, who lives with his wife and has a daughter named Mayhew (Mrs Jewett has a Louisiana (Canadian) wife) and then comes The Clarks's Lovetaken a furnished house opposite the Lucky's and are agreeable fellows. Rocky and Adams Express are to-night Evening and have gone Jammed into great pits, but Brooks and Potter the Lucky pits. Mr. and Mrs. Thomas and perhaps some of the children are going to-morrow to Chicago to take care of Lib Farmer's children while she has the whooping cough. Clara Hopper started to walk to-day Mrs. Lucas [illegible] as poor, and Mr. Thomas [illegible] is going home [illegible] may to spend the winter, leaving Emily and May with [illegible] She very likely heard that he lost his wife a short time ago. They wrote him & Mrs. Roberts said to-day that if he did not come home this winter he would very likely not find his mother alive. He & Spring [illegible]

[illegible] Hopper [illegible] [illegible] years old.

[illegible] supper was as charming as ever [illegible] and [illegible] supper [illegible] of fun. We had tea, dishes scattered about the room with tables and [illegible] of good a very good arrangement, [illegible] perhaps there be numerous [illegible]. As for talk all possibility of any general talk now and then, as sometimes happens [illegible] there one table, [illegible] the company scattered about the room, was quite out of the question; and while the company is seated they can hardly move about and mix with each other so readily as when standing. If any one have a desire to do so he must watch well for a chance to oust somebody else from his seat. In general it is hard to cast loose from your moorings. I should like very much to give a farewell entertainment before [illegible] to Japan, say a grand vegetarian dinner, to show what can be done in the way of food without going outside of the vegetable kingdom, and to display the skill of some of my French friends in cooking. My French landlady is [illegible] far more skillful in cooking vegetables in a variety of ways than anybody I ever saw before. She says that her [illegible] in France were poor, and could not afford to eat [illegible] meat; so they learned to do up vegetables well and in a great variety of ways. She [illegible] soups and makes some very fine ones without any [illegible] on Friday. Although her house is a very plain one, [illegible] her cooking [illegible], her ~~table~~ cooking is better than I find anywhere, and is greatly praised [illegible] [illegible] the [illegible] from the [illegible] [illegible] [illegible] [illegible] to [illegible] the country [illegible]
[illegible] Very affectionately [illegible]

135 North Eighth Street, Philadelphia, May [illegible]

My dear Sanborn:

Your favor of yesterday is just [illegible] [illegible] and I am much interested in what you say of the [illegible] [illegible] and [illegible] letter. I am glad to know that he [illegible] [illegible] so nearly in such matters as he wrote about [illegible] [illegible] it might have been done [illegible] [illegible] of [illegible] & written [illegible]. The [illegible] [illegible] [illegible] by introducing [illegible] [illegible] [illegible] [illegible]; and [illegible] [illegible] in our [illegible] would not [illegible] [illegible] as now, and some such change [illegible] must have been made in Northern Indian [illegible] [illegible] in order to bring about that there should be more than half a dozen [illegible] [illegible] in Hindoo[illegible] [illegible] only slightly so. Interesting as the Japanese language [illegible] and desirable as its preservation [illegible] is for [illegible] of philologists, still the English is perhaps as [illegible] for a [illegible] language or [illegible] [illegible] [illegible] Chinese [illegible], and for common [illegible] use as [illegible] [illegible] any other tongue, but I am satisfied it is desirable to drive out many of the languages [illegible] more widely used in a better way than the Latin did. The Japanese can adopt it from choice with a much better grace than the British government could force it upon the inhabitants of India. The [illegible] English [illegible] better than the [illegible] English

I saw Mr. Mori at Washington last Thursday, and found that the story in the papers the day before that [illegible] a change of policy in regard to foreigners in Japan was all bosh. He said however that after engaging [illegible] he found that [illegible] whom [illegible] to replace had [illegible]; and he was therefore unwilling to [illegible] to go to Japan before he had an [illegible] in taking his government upon engagement and in [illegible] to go and that I [illegible] have a place. He felt [illegible] however that I should be wanted, and that [illegible] seem very little risk in going out [illegible] however to wait and go on a certainty. He [illegible] should be going [illegible] in two [illegible] months. [illegible] from a change of policy he said [illegible] they would go too fast in the way they have [illegible].

Miss Leavitt seems to be established in her [illegible] [illegible] comfort, and to be getting along [illegible] well, with no apparent home sickness. She [illegible] to be very well satisfied with [illegible] I take all the credit. Do you [illegible] of course [illegible] only one of the [illegible] has appeared [illegible] about her, and that one, eleven years [illegible] to remark to Miss Seymour that [illegible] was "very sweet." I happened to meet Miss Leavitt [illegible] and the second [illegible] good [illegible] and spirits; but I cannot help feeling [illegible] disgusted with some [illegible] she should be [illegible] the way the case [illegible].

a scene of late. What I have seen [illegible] convince me that the [illegible] from it rests in the hearts of [illegible] I have [illegible] and that it is very greatly [illegible] Hayes. He fights against [illegible] prejudice is not by any [illegible] and I regret extremely [illegible] abolitionists [illegible] Lib for a time [illegible] above all it has grieved me to see [illegible] what seemed to be very unjust things [illegible] Republican and that [illegible] seem to be good cause. [illegible] speak of Charles Sumner, whom his [illegible] now "dead politically." I have [illegible] whatever I publish and an expression, [illegible] large scale or a small one. Certainly I never [illegible] him now that he has changed his politics [illegible] work; in my opinion it shows [illegible] but I have never read a word from any [illegible] of his that looked like regret or any [illegible] regret at his serious mistake.

I expect to stay here a week or two longer & do some writing, and then go visiting to Newburyport, Northampton and near Boston, and the 1st part of April Rochester. I will inform you of my movements.

Very affectionately yours

Wm. Lloyd Garrison.

135 South [illegible] Street, Philadelphia [illegible]

Miss [illegible] B. [illegible]:

My dear Friend:

Many thanks for your letter [illegible] days ago and its [illegible] "[illegible]" [illegible]

[illegible] I learned that he was [illegible]

[illegible] he found that [illegible]

[illegible] intend [illegible] Northampton, [illegible] from there by [illegible] I will perhaps make a [illegible] will be ready to [illegible]

[illegible]

135 South Fifth Street, Philadelphia, 18 [illegible]

Mon cher Guyadet,

C'est vraiment avec la plus grande peine, [illegible] que je vous la nouvelle de la perte [illegible] notre père, la perte que j'ai si récemment [illegible] pour la mort de ma mère et la vôtre. [illegible] dans peu d'années peut-être me rendra [illegible] votre affection [illegible]

[illegible] mon ami Agazzi qui a étudié [illegible] à Neuchâtel et a (depuis) passé quelque temps à Paris [illegible] au notre ans. Il est devenu professeur [illegible] à l'Université de Pennsylvanie ici à Philadelphie. [illegible] est tombé instantanément mort il y a [illegible] jours par une [illegible] du cœur qui pendant années [illegible]. Il était pendant bien des années le rédacteur [illegible] du Franklin Institute (que j'ai vu dans [illegible] à la [illegible] de Mines). Il a été depuis longtemps [illegible] de la physique et de la Chimie. L'Université a été [illegible] augmenté d'un département scientifique, [illegible] un grand bâtiment nouveau, qu'on venait de [illegible] quand [illegible] mort. — M. Cooley le remplacera [illegible] professeur de la géologie dans ce nouveau départ[illegible] scientifique, et aussi doyen de la faculté des sciences. [illegible] travaux nouveaux avec quelques-uns des anciens [illegible] beaucoup à faire. Il aura probablement [illegible] à peu ses recherches [illegible] qu'il a fait [illegible] pour le commerce. Ce fait augmentera [illegible] la demande pour mes services de la même sorte, [illegible] ici. — Mais on m'a invité cet été [illegible] comme Naturaliste, l'année d'aller au Japon [illegible] les recherches géologiques [illegible] de l'Île de Yesso [illegible] Japonais; et puisqu'on a offert presque [illegible] de l'année passée, même un peu plus [illegible] dans l'Inde, j'ai cru [illegible] de vous écrire en [illegible] de vous [illegible] de nous [illegible]

[illegible] pour [illegible] par [illegible]; par San Francisco et [illegible]
[illegible] par Paris. Mais le jour n'est pas encore
[illegible]; [illegible] je crois maintenant qu'il aura lieu au mois de
décembre. J'ai [illegible] remplacer celui qui est allé au lieu de moi
l'année passée et qui, on disait, s'était embrouillé avec
les japonais ou avec le chef de la commission et avait donné
sa démission. Il paraît maintenant qu'il a été [illegible]
[illegible]; mais le ministre japonais à Washington a écrit à son
gouvernement que j'étais engagé et qu'il faut me prendre;
il faut cependant attendre une réponse avant de [illegible]
[illegible], malgré qu'il est convaincu que on désire
[illegible]. Je vais alors rendre visite chez mon père
[illegible] quelques autres parents et amis pendant une [illegible]
[illegible] une quinzaine de jours après de rester [illegible]
[illegible] ~~[illegible]~~ une [illegible] de [illegible]; et après tout cela je
[illegible] prêt à emballer tous mes bijoux et à partir [illegible]
[illegible] dans quelques jours. Au Japon j'habiterai Yedo
pendant l'hiver et je serai à l'île de Yesso pendant la [illegible]
— Je vous remercie beaucoup de ce que vous proposez de
[illegible] un petit extrait de ma note sur le Pendjab dans
[illegible] de [illegible]; et pour vous aider je vous envoie ci-de[illegible]
[illegible] une traduction très imparfaite d'un extrait que on
[illegible] fait faire pour une revue américaine. Vous [illegible]
dez, mon langage peut-être et vous aurez la bonté de
corriger, et si vous voulez encore l'abréger. Si par hasard
est trop court vous pourriez traduire ce qui se trouve dans
[illegible] paragraphe sur l'huile même dans la note, lequel paragraphe
[illegible] a été copié dans le journal de Silliman. Vous m'avez
[illegible] compris en [illegible] que je soutiens la théorie que l'huile
[illegible] [illegible] de la décomposition de matières [illegible]
[illegible] qui ont été déposées dans les mêmes roches où l'huile
[illegible] aujourd'hui. Je me moque même de la [illegible]
[illegible], comme aussi de celle de la distillation
[illegible] de l'huile [illegible] [illegible] des solides [illegible]
[illegible] d'autres [illegible] [illegible] de [illegible]
[illegible] plus [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]

l'Amérique encore beaucoup moins applicable à la houille
qu'à Cheville. — Je suis bien aise de recevoir par votre
lettre des nouvelles de M. Lungel, que j'espère encore voir
quelque jour en France ou en Amérique. Il se pourra que
j'irai en France quand je serai de retour du Japon en
trois ans d'ici. — J'ai lu avec beaucoup d'intérêt
ce que vous avez écrit au sujet de M. Lefrez; mais je
trouve qu'il sera à peine possible de lui trouver une
place en Amérique avant son arrivée. Il y a tant
de monde déjà ici qui désirent des places et les obtiennent
le moment où il y en a, qu'un absent peut jamais en
trouver. Il faut qu'on vienne et prenne au commence-
ment une place petite temporelle; après cela si
on a vraiment du talent on parviendra enfin à
une bonne position. — Voilà l'avis aussi de Ros-
well, auquel j'ai parlé de votre ami il y a quelques
jours quand il m'a fait visite en passant par Phil-
adelphie au midi pour faire un levé topographique
de l'état d'Alabama pendant deux ou trois mois. Il
vient d'établir un bureau à New York (No 71 Broad-
way) et va abandonner bientôt la petite ville de Wilkes-
barré; mais en attendant il a tous les deux bureaux. Il
demandé de vos nouvelles et se blâmait beaucoup de ne
vous avoir pas écrit depuis bien longtemps. — Il y a
déjà un couple de mois que je n'ai pas vu notre ami
Coxe; mais je crois qu'il va bien. — Je n'ai jamais vu
M. Gaujot (qui n'habite pas Philadelphie), mais je vois rarement son associé M. Bland.
— Vous êtes bien bons, vous et madame votre sœur, de promettre
m'envoyer des photographies; et celles des demoiselles ([illegible] vous-
mêmes spécialement) me plaisent tellement que je n'oserais pas
refuser [illegible] que je ne pense pas admettre qu'il y ait de [illegible]
[illegible] complaisance. Je sais à peine où vous pourriez me
[illegible] je serai [illegible] pour Japon, s'il est si peu commode m'envoyer [illegible]
[illegible] de France au [illegible]. J'irai peut-être acheter quelques livres en France
[illegible] directement [illegible] les [illegible] commissions, et comme
[illegible] les photographies [illegible] avec moi [illegible]
[illegible] pourrai peut-être vous [illegible]

Sur la topographie de la région d'huile du Pendjâb, par B[illegible] [illegible] Lyman; un mémoire lu devant la Société Philosophique Américaine, Philadelphie. (Extrait)

Ce mémoire a pour but principal une description assez détaillée de la topographie de la région d'huile dans le Pendjâb; sa situation; ses traits topographiques [illegible], [illegible], tels que la hauteur générale de ses divisions, la [illegible] des montagnes, leur inclinaison, les roches, le niveau, [illegible] [illegible] changement de [illegible] avec le temps, la façon d'écrire pour la plus [illegible] [illegible]. Les détails sont accompagnés de cartes avec des topographiques [illegible] [illegible] [illegible] très [illegible] indiqués; principalement pour faire voir la grande utilité pour la géologie des études topographiques [illegible] une petite esquisse de la géologie de la région (selon la structure) est [illegible] [illegible] à l'égard de l'huile d'après le "General Report on the Punjab Oil lands" [illegible] 1870 du même auteur; et à l'égard d'autres sujets d'après quelques [illegible] plus anciens.

La coupe générale des roches de la région au-dessous des alluvions [illegible] [illegible] la voici:

Miocène (Sivalik), sans huile	3000	pieds
Eocène (Nummulitique), avec huile	1950	"
Mésozoïque, sans huile	700	"
Carbonifère, sans huile, environ	1800	"
Dévonien, avec sel et gypse	2850	"
	10300	"

L'huile ou asphalte (huile de [illegible]) ou goudron minéral (asphalte [illegible]) [illegible] à une douzaine d'endroits, et en très petites [illegible] à encore une [illegible] douzaine, tous dans un espace de [illegible] [illegible] de carré. Ils sont dans les roches nummulitiques, [illegible] un dans le carbonifère. Tous [illegible] paraissent être de très petite étendue horizontale, quelques [illegible] de quelques pieds [illegible] peu d'une centaine de mètres, seulement à l'endroit qu'on [illegible]. Dans un [illegible] la couche de huile a une épaisseur d'une trentaine de mètres, dans un autre d'une douzaine, dans deux autres une dizaine, et dans le reste de beaucoup moins. A quelques endroits l'huile [illegible] calcaire, à autres endroits de grès ou de [illegible]. Le produit d'un puits a été [illegible] 225 litres environ par jour, mais il a rapidement décru, comme les [illegible] [illegible]; il allait probablement monter en tout dans un an [illegible] à un [illegible] [illegible] litres. Suivant une estimation approximative une [illegible] de tels puits pourrait être [illegible] dans la région avec un produit total [illegible] [illegible] [illegible] [illegible] sources naturelles (cinq) produisent chacune de un demi-litre à [illegible] jusqu'à un tiers de [illegible] par jour. L'huile est d'une vert foncé et d'une [illegible] pesanteur spécifique (25° Baumé, ou environ). Il n'y a [illegible] du tout dans les gisements d'huile du Pendjâb qui tend à faire croire à la [illegible] de l'huile d'une couche de roches à une autre [illegible] [illegible] [illegible] [illegible], ou à son passage des parties inférieures d'une couche aux [illegible] [illegible] de la même couche. Près d'un [illegible] anticlinal on a [illegible] [illegible] de l'huile que la [illegible] [illegible] des [illegible] [illegible] dans les [illegible] [illegible] [illegible]. Il n'y a non plus rien ici [illegible] qui justifie les [illegible] [illegible] trouver de grandes quantités de l'huile en [illegible] dans [illegible] [illegible] [illegible] la couche à huile.

[illegible] [illegible] [illegible]
[illegible], de [illegible], [illegible] en grandes quantités [illegible]
[illegible], de salpêtre, de [illegible] et [illegible]
[illegible] et de plomb.
[illegible] [illegible] accompagnées de [illegible]

185 Mott 1st Street Tele Spring 1860

James Whitmore Esq.
No. 5 Cambridge Street,
Boston.

Dear Sir

135 South Fifth Street, Philadelphia, 10 Oct. 47

My dear Haynes

Your letters of the fifteenth of March and
the sixteenth of May came to hand in course of time and
were extremely welcome. I am ashamed of owing you for a
third letter too, but either one of them has miscarried or
else I wrote to, but either one of them has miscarried or
else most likely my last never reached you, and that
was written last winter. Ever since the first of your two letters
I have been putting off from week to week in
the hope of being able to say something more definite to
you for the future. Now don't think (as you have
no doubt) that I am going to marry or have been married,
for the third or fourth time. But the appearance
of the comet applied to me again this year, as last fall
it came very near to do, and finally
did me to do to last July, having come up in their ways
nothing better than my Indiana pays. I have spent
three years, and I expect to start for Japan perhaps
December next. But the time of starting is still an
uncertain, and there is a bare possibility yet that
the project may fall through though the Japanese business
Washington thinks it will not. I was engaged after
the place of the man who went out instead of me.
a year, but had gone all and resigned; but it
afterwards that his guard had been made up and
I been reinstated with a higher salary. He assures
me his engagement must still hold good, but without
writing me anything about it before furnishing funds for
a journey, though he thinks I should run little or no risk
in going now. My headquarters in the winter will be at
Washington

a farm & be provided with a house and there you would
when you pass that way with your family.
I was delighted to hear you talk of leaving India in 1873, in by
& leaving you soon after that of Ld in Japan, in America &
Do not know whether you still stick to your old plan of coming
home some day & live but hope that you do. Still,
I do feel sometimes I cannot but fear that you would find
it here very uncongenial and perhaps disagreeable
with your Indian habits, everything here is so wholly by
& personal service is to be had and generally so poorly
done you would have to get along with much fewer servants
than you are used to, and consequently have a less comfort
& comfort, even if you should bring along a party
of your own. You inquire about the American girls
I am not well enough posted in
such matters to give you good advice. As a rule I would
recommend to you to find that the interest
pay as high as their market value, hardly
ever. I believe, so that we have other means of
investment that are at the whole better. But I practically
yielding a high percentage on the investment.
I bought a house - I did it on down per cent. Really
cent first mortgage on a house for a lady, with the advice of an excellent business
railroad man, as a very safe investment, at 103 and a practical
man assures me that I can get 6 per cent on the investment, besides
allowing the yield about 6 1/2 per cent on the investment, besides
still leaves safely a better percentage than I can get, and some
really pay even ten per cent, but of course are rather risky.
If I were going to stay here or if you had some broker friend
in Denver on whom you could invest with practically perfect security
& certainty and efficiency even at home or thousands;
but as it is, I would not advise you to do it in India. Even
the best investment in New York City here and money rates
are high, is secured by mortgage, but such investments
are in the opinion of title and the title rules
are such for a man to keep any investment

3

I am very much obliged to you for what you say so kindly of
my papers on the Punjab oil region, and for your not
having kept me up as you say you have been doing to Dorchester
but I hope you will say nothing in print about my
visit & hope you will take me occasion to [illegible] I hope to send
you that will give me occasion to [illegible] I hope to send
you one or two other small papers published by the same
society; but the printing has been very much delayed by
the burning down of the printing house last spring, and by
the delay in the publication of the Punjab paper was much too and has
had to be reprinted. I cannot get published as I had hoped I
should before spring & [illegible] the results of my [illegible] journeys I made in
May and June last in West Virginia; some of the [illegible] are
of importance and perhaps even more. The office work
& mapping connected with these surveys kept along
except the last summer, and I am but lately free from
it. [illegible] I have declined all
offered since last June, so as to keep myself
now going now in a few days & make some farewell
to my nearest relatives and friends and shall
ready to pack up and be off at that notice. He
up the beginning of the West Virginia surveys just now
was a very broken one for me. My frequent visits
to [illegible] on account of my mother's long and distressing
and finally her death in November (as I wrote last
and then numerous visits there on my father and his
the winter and spring prevented much serious work
my hand a little at home planning at that time
house that my father has been building for him
manner; for his old homestead was bought with an eye
with for the command College that my mother can
ready for us [illegible] related to you while in India.

Any letter for me sent to Northampton, Massachusetts,
will be forwarded to me, if too late to find me in America: it
will be sent to Messrs Smith, Archer & Co., Wall St.
New York, will be at first [illegible] Co. Smith, Archer & Co., of New York, [illegible]
[illegible] the Eastern boundary of the N. Lee & Wroot, of New York, [illegible]
[illegible] is the Eastern boundary of the N. Lee & Wroot, of New York, [illegible]
[illegible] for a letter being a [illegible] and the mail [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

135 South Fifth Street, Philadelphia, 17 [illegible] 1815.

Mon cher Francis,

La lettre que j'ai reçue de vous en bien le Madame Francis il y a déjà un mois m'a fait bien du plaisir. Il y a vingt jours une lettre est venue ici de Paris pour Paul et devrait plus droit lui donner la nouvelle de son sort. J'ai renvoyé la lettre tout de suite à son adresse à New York, où il était déjà depuis près de deux mois; mais j'ai appris plus tard qu'il venait de partir de là peu de jours après de faire une dette d'une centaine de piastres, et on ne sait pas où il est allé. Il n'y a pas alors reçu la lettre. Il a quitté Philadelphie après de faire à peu près ici une dette semblable; mais cette fois il est parti avec le contentement de la dame de la maison qui lui avait été très bonne. Malgré qu'il ne semblait pas réfléchir on a cru ici à la fin qu'il allait tomber dans de mauvaises habitudes à cause de ses mauvaises connaissances qu'il avait fait, de jeunes Français; et on le dit paresseux, ce qui est, je remarque d'ouvrage. Il est certainement très intelligent, et a fait peut-être plus habile dans la gravure qu'il ne l'est, et méprise trop l'ouvrage plus simple quand il lui manque de plus difficile. Il est embrouillé ici dans [illegible] chez lequel il a gâté plusieurs pièces, et après cela il n'a plus pu trouver de l'ouvrage qui lui paraissait plaire. Il est allé à New York, et à ce qu'il paraît n'en a pas trouvé là-bas non plus malgré que c'est un endroit beaucoup meilleur pour cet espèce de travail que Philadelphie ne l'est. A la pension ici on est beaucoup intéressé à Paul, et après son départ on s'est engagé de vous recommander fortement de le faire retourner en France avant qu'il ne soit tout à fait gâté. Il a quitté la France trop jeune encore pour avoir un caractère assez stable; et il est resté exilé

… malgré qu'elle en Amérique près de trois ans il commence … parler un peu anglais ; et en français de manière … écrire une lettre est effrayable. Son église … générale a beaucoup … l'influence même sur les gouverneurs, parce qu'elle ne fait pas … sont devenus paisibles les Mormons, les nègres, les mineurs et autres choses … ne peut pas les gouverner correctement. J'espère bien que … de Newtonville il était retourné à Paris, parce qu'il pourrait corriger ses défauts en leur … par une vie tranquille et réglée près de sa famille … les tentations de vivre autrement auraient moins de pouvoir … me dit qu'il n'a pas quitté l'Amérique. Vous comprendrez … je vous parle si franchement à mon sujet parce que je … tout d'intérêt à tout ce qui concerne la famille ; et si … choses qui vous sont peu agréables, vous croirez bien que … aussi désirerais et que j'désire sincèrement l'amélioration … le cœur et de la tête et de son caractère.

… différer de jour en jour de vous écrire en espérant pouvoir … mes plans définitifs pour l'avenir. Depuis déjà trois … engagé par le gouvernement japonais pour aller … à l'île de Yeso, mais je n'ai la peine aujourd'hui … les détails à l'égard du moment où je retournerai … Cependant on me dit de bien bon endroit, et il me faudra … San Francisco au lieu de par Paris. Ces … les deux … me les gâter en allant … gagne beaucoup par … effet cette fois-ci puisque la durée de ce … l'engagement est de trois ans ; après cela je ferai … encore un voyage en France.

… ne me départ pas certain il me sera impossible de … quelque chose, comme vous pensez bien dans l'affaire des Ouvrards … il est même bien douteux si je pourrais en accepter … dans cet intervalle. Je n'ai aucune relation avec … per et je n'ai pas beaucoup d'expérience à l'égard … de mes à faire pour en obtenir. Il y a cependant … qui font un métier de cela, par lequel on tire bien … fructueusement obtenir un brevet pour quelque … pourrait peut-être me rendre service. Je n'ai jamais … de Mr. Hall, ni de l'invention de M. Hall ; et la ville … cinq cents lieues au sud-ouest d'ici dans … beaucoup moins de chemin de fer que dans … me serait bien du plaisir si je pouvais être … à Chicago … votre lettre une très jolie photographie … bien reconnaissant. Elle a l'air très … Je suis désolé d'apprendre par votre lettre … va mal portant.

Southampton.

… Smith Lyman, Northampton

… ment vingt-cinq fois à Nouvelle-York … jour si j'avais perdu …

… famille, croyez-moi toujours …

Votre dévoué ami … Henry Smith Lyman.

1317 Buttonwood Street, Philadelphia, 1864.

My dear Jacobs:

Girard Trust Company, Philadelphia

My dear Father

Day before yesterday I received from Mr. Wilson the paper from Mr. Offley that he had just heard from that I was expected here as soon as could possibly and that I should find me at Washington. Had a conversation with Mr. Wilson today and made the [illegible] with Mr. Wilson had me down to [illegible] Offley & he had engaged me [illegible] for a certain [illegible] of time at a salary of [illegible] per annum. I am to go and [illegible] my hardships of [illegible] from Japan and while on official journeys there shall be paid by the Department and a home allowance for me to live on during my stay in Japan; and this [illegible] arrangement as to any other particulars that may be made by the Department. My friend Wilson has also given me a check for a thousand dollars which is in addition to the [illegible] my salary which helps me pay my expenses which very much I had been planning to start for Japan from here & go home early next week to Northampton; but I will first [illegible] up my things here as I had [illegible] and make my [illegible] arrangements. I am [illegible] I will be [illegible] the next week [illegible]

within two weeks from this time and that I will
three weeks or more in visiting
as about the 25th of December as we
the difficulty; and that was
Mr. Mori. In regard to the
about he said with
hesitation. "It is thought
us — in public business."
reason & not from her
opposed to the views
and I can send out by
It is possible that Perfect Peace
Dr. [illegible] when
all this
to do that I shall
fit.
the
down
himself in
and Philadelphia.
friends and
the Provincial which
by the Post Office Department.
very great importance.
and [illegible]. The King
Empress
to

135 [illegible] Philadelphia [illegible]

Dear James:

The final arrangement for my [illegible] to Europe was made day before yesterday [illegible] Pres[illegible] and me, and I am [illegible] to [illegible] about the [illegible] of December, and to [illegible] from the [illegible] about ten days before that. I [illegible] [illegible] my [illegible] here, and begin some visits at the eastward some time in [illegible]. If it would be convenient [illegible] to you to come here [illegible] [illegible] if possible [illegible] [illegible] before I break up, [illegible] [illegible] and I should be [illegible] [illegible] of the [illegible]. The [illegible] [illegible] [illegible] [illegible] not very important [illegible] [illegible] [illegible] coming [illegible] I was thinking of [illegible] you [illegible] for the management of [illegible] during my absence from the [illegible] affairs [illegible] make you personally acquainted in that [illegible] the manufacturers [illegible] [illegible] Besides that you might find some [illegible] [illegible] this city for the first time [illegible] before I can [illegible] [illegible] if you do not feel [illegible] [illegible] there is no need [illegible] [illegible]

[illegible]

I am told that the Department of the Japanese Government to which I am to act as mining engineer has been in existence about three years and is especially devoted to the development of the resources of the Island of Yesso. The island is about as large as Ireland, or say half as large as New England or a trifle larger than the State of Maine. It is inhabited by a small and decreasing number of aborigines called Ainos, not more than ten thousand in all, and by Japanese immigrants, whose number was estimated last [illegible] at twenty or thirty thousand but is rapidly increasing. The Ainos are peaceable savages much like our Indians, fond of strong drink, and dying out. The Japanese immigration is encouraged by the Government, but for a long time was very slow on account of the coldness of the climate compared with Japan proper, and of the airy construction of the Japanese houses. Now, however, the government furnishes the immigrants with houses of the European style. The climate is a little warmer than that of Northern New England though the latitude is ~~[illegible]~~ the same. The head of the department is Mr. Kuroda. ~~[illegible]~~ [illegible] One of two steamers built expressly for it at New York is named ~~[illegible]~~. My engagement is for three years. The headquarters of the department are at Yeddo and my winters will probably be passed there [illegible] a technical [illegible] Yesso is too cold for [illegible] work in that season. The Japanese [illegible] are supposed to have come [illegible] main continent here, [illegible] Ainos [illegible] [illegible] times in [illegible] [illegible]

[illegible]

[illegible]

31 South Fifth Street, Philadelphia, 19 Oct 97.

[illegible]

New Virginia Coastal Coal Company,
No. 17 Broadway, New York.

Dear Sir,

In compliance with the request in your [illegible]
[illegible] I send you herewith my account against the
Company. This has been increased from time to time
by [illegible] and I trust you will find it correct.
[illegible] for [illegible] the coaling was finished, amounted
[illegible] and I am to be paid for them at the
[illegible] I shall pay the [illegible] when it
[illegible]

Very truly yours,

Benj. Smith-Lyman.

Benjamin Smith Lyman in account with the

Dr. Pertsma Cannel Coal Company. Cr.

8 Aug. 1872.	To Balance of acct rendered	$497.05	21 Sept. 1872.	By Cash	$ 10.
1 Oct. "	" 2½ weeks office rent	250.00		Balance	737.05
		747.05			747.05

E. & O. E.

Benj. Smith Lyman.

3043

[illegible] 1868

Marshall Brown & Esq.

St. Thomas, near Sydney

Cape Breton, Nova Scotia

Sir:

I received your favor of the [illegible] inst. and thanking you for the copies of the [illegible]

[illegible] of the Imperial Land Claims, Nova Scotia, [illegible] a few copies you sent me were exhausted and I would like to receive the [illegible] necessary for my use. I have said Lately written for the same reason to the [illegible] from Mr. [illegible] Simon McDonald Esq., who claimed to be the one who had it first published and sent to me, and by [illegible] I find on opening [illegible] Nova Scotia [illegible] and if it may be [illegible] you I send it herein. I should have sent to a copy to Wm. MacQueen and one to Mr. Poole as well as one to Mr. [illegible] so that I have a memorandum of the [illegible]. Perhaps you can [illegible] me them. If possible that I can find one or two copies in the hands of friends here, and if so I send them to you, if necessary.

You ask for my address for the next two months, and for Mr. Locke's. mine until the first of March is "Washington, D.C.", after that "Care of Smith, Archer & Co., Yokohama, Japan." Mail from San Francisco on the 1st of each month. Mr. Locke's address is: "Prof. J. P. Locke, No. 1005 Clinton Street, Philadelphia."

Very truly Yours, Smith Brown.

Revd Tyng & Boot, Philadelphia, 3 Oct. 1872

Dear Sir,

I am sorry to learn by your favor of yesterday that it is not convenient for you & your friends to go Wesley Grove; but I will try to arrange to meet you as well as I can Monday, with your kind invitation, your appointment for Monday evening & yet to come, as I find.

I read words of Welcome and my own heart in every kind; but to give back I offer the very satisfactory for [illegible] you give of Richard Allen & your understanding, and your description of his most grateful;

I expect to pass through New York next week on Friday, possibly earlier; and am sorry to miss you then shall see you at Phila. Friday.

Yours affectionate Bro.

Benj. Smith Lyman.

[illegible] Philadelphia [illegible]

[illegible]

[illegible]

131 South Fifth Street, Philadelphia, 31 Oct. 67

To the Commissioner of Patents,
Washington.

Sir:

Your letter of the 27th before yesterday is at hand containing a communication from Examiner Cox No. 1 and rejecting my application for a patent on "improvements" in Level rods filed 2 Aug. 1867.

I hereby renew my application and beg to offer the following remarks & the accompanying communication.

He says: "It is necessary to perceive the object of this invention wherein it is supposed to differ from the former construction of the case." The object of amending the claim & to comply with the advice of the Commissioner, who thought [illegible] originally thereon was [illegible] and not claiming exactly that was described in the specification. The amendments are supposed & remedy these defects and specifically to cover the useful purposes of the invention more distinctly. — The Examiner rejects the application "on the ground stated in the official letter of the 27th inst. namely that the invention is not [illegible] useful art manufacture or composition of matter." However much such decision may have surprised & grieved the inventor after [illegible] months ago, it was [illegible] especially published that the Commissioner decided [illegible] the requisite for a patent was "invention" [illegible] Yet the fact remains that my invention [illegible] a large portion [illegible]

Respectfully &c.

Sapporo, Hokkaido, [illegible]

Gentlemen:

Your favor of the [illegible] received [illegible]

Dear Sir

I am much obliged to you for sending the Patent Office Report for [illegible] Many [illegible] thanks for the loss [illegible] made [illegible] and obtained without [illegible] Lloyd Brown.

Do you [illegible] similar offices or procuring the patent (if obtained) before the public? I enclose herewith the price of a bill of goods by you from Lewis Edward at three dollars

I was not quite sure of [illegible] found in regard to my claim of a lawyer for getting my claim [illegible] Although I have [illegible] Office in any [illegible] Philadelphia lawyers who had had usual patents [illegible] Should you [illegible] however any other [illegible]

dollar on hand & the extent of your [illegible]
If in the course of the work you find good and sufficient
for an added and further [illegible]
I will pay you for [illegible] at the rate of a dollar
for a hundred words, the extent of twenty five
dollars a month. I make known the condition that
any income you receive from this source over and above
Four hundred dollars a year shall
be devoted first to the payment of any debts you
may have contracted; and that after the payment
of said debts, the extent of my pay-
ment for [illegible] work shall be de-
cided by the amount of [illegible]
you may receive; and the engagement [illegible]
shall not extend beyond three years from the
beginning of your work. I will [illegible] either
needed & chary and the whole engagement in my
hands you shall feel the drawn on you from month
to month according to [illegible] receiving
or bill due to you from you to you in advance for you
kind of work done. Meantime
[illegible] work whenever you like, and draw for it at
Four hundred dollars a year as before, until you can hear
from me again. [illegible]
[illegible] I should
[illegible] provided the amount advanced by me is not
[illegible] at your own disposal.

[illegible]

[illegible] Esq.

[illegible]

[illegible]

Dear Sir.

[illegible] on board the Steamer Kwoda
[illegible] give me, if necessary, [illegible]
[illegible] in that bay?

[illegible] a list of the [illegible]
[illegible] at San Francisco.

[illegible] very busily seeking [illegible]
[illegible] and [illegible] for
[illegible] [illegible] after [illegible]
[illegible] again for a [illegible]
[illegible]

If it is necessary to send the [illegible]
[illegible] you would greatly oblige by [illegible]
[illegible] address at your early [illegible]
convenience.

Yours most faithfully [illegible]

Benj. Starkey Lyons

135 South Fifth Street, Philadelphia,
Feb. 11th 1852.

Rev. & dear Sir.

Nothing of importance has occurred since I wrote you which I expected and I anticipate with the preparations for [illegible] known to be able to start on Wednesday, provided it still continues [illegible] you soon after. Possibly we may have a day's delay at New York getting my boxes aboard the steamer, and possibly I may go up to Albany for a day. Perhaps however I shall put off it's visit until after Thanksgiving. My time for visiting is going to be less than I had hoped, but I see no reason to alter my resolution from the Northampton one.

Mrs. Clapp is making a visit of a few days at Amherst. She arrived Wednesday and is going to Pittsville tomorrow. Mary Lyon is to leave home tomorrow and arrive the next day.

Hoping soon to see you my dear Sir & dear Mrs. Lyon

Yours affectionately

Rev. Sereno Dwight Lyman

Northampton Mass.

[illegible] Philadelphia 13 [illegible] [illegible]

[illegible] [illegible] Esq.

[illegible] d'Affaires for [illegible]

Washington.

[illegible]

[illegible] [illegible] [illegible] received [illegible] [illegible] for [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] for the department [illegible] [illegible] [illegible] will be brought [illegible] [illegible] [illegible] [illegible] order them at once if you will allow me to do so. There is but one manufacturer of [illegible] in [illegible] and he makes them in [illegible] and numbers; the others [illegible] [illegible] are made at the East, especially at Troy, N. Y. the best [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] Hall & [illegible] [illegible]

[illegible] [illegible] I was [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] of Genl [illegible] [illegible]. They have [illegible] [illegible] [illegible] [illegible] in [illegible] and [illegible] [illegible] [illegible] [illegible] and it is [illegible] [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

List of Instruments Required by Engineers Dept of Kaitakushi of Hokkaido

		Prices Cal. Gold	Prices Yen
1	Engineers Transit, Complete	$ 150,00	300,00
1	" Level	125,00	140,00
2	100 ft. Eng. Metallic Tapes per 100 ft.	12,00	10,50
2	50 " " " " "	10,00	6,50
1	25 " " " Steel Tape "	8,00	5,00
1	6 " " " " " "	6,00	2,25
1	1 ft. scale Boxw. German silver mounted Sonfold divided in 10ths	8,50	2,25
1	2 ft. ivory scale (4 folds)	8,00	5,25
1	Vernier Compass, 14 Class	100,00	70,00
1	doz. Level Books 6 lines by 4 inches Extra mott paper	5,00	4,50
½	doz. Transit Books as above	2,50	2,25
½	doz. Record " 7½ by 5 inches superior paper	6,00	4,50
10	yds. Continuous Profile Paper	15,00	15,00
1	Box superior Water Colors Complete	20,00	14,00
	Logmo Tables for Calculations &c. 1 vol.	8,50	8,50
		484,50	461,00

E. & O. E.

Benj. Smith Lyman

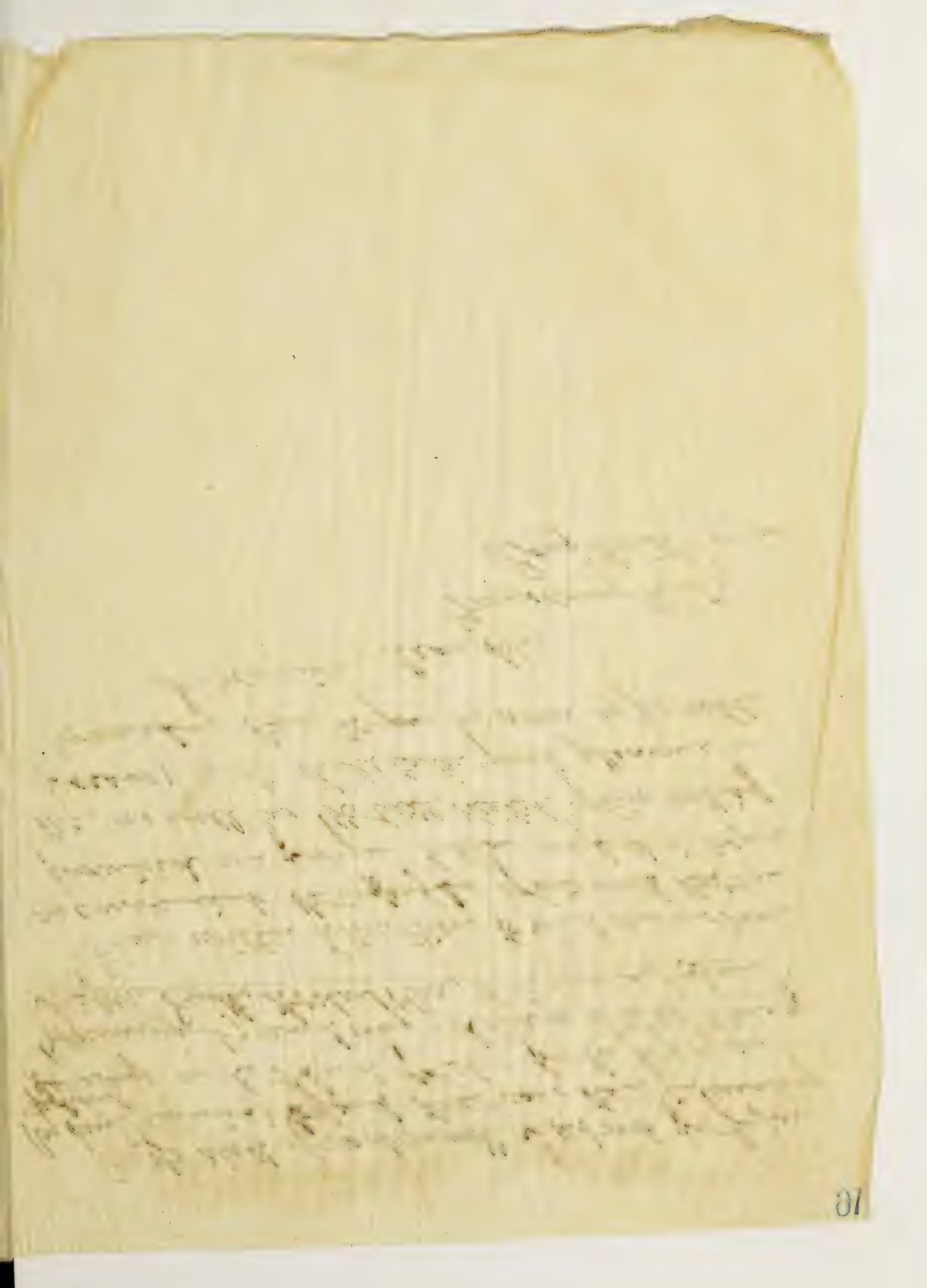
Liste der Gegenstände, welche der Empfänger dieses Frachtbriefes
Frachtbriefe

1	Colli	Inhalt, Verpackung		
1	"	Kiste		
2	Ballen	Leinwand		
1	"	Packet		
1	"	Kiste		
1	"	Packet		
1	"	Kiste		
1	"	Packet		
1	"	Kiste

Northampton 22 Nov. 1774.

My dear brother:

last important step which I can from
has been matured, etc.



Philadelphia Dec. 8th

To the Commissioner of Patents.

Sir:

I have sent you today by Adams Express
box containing a model, drawing, petition and petition per a patent on an improvement in
Hemostatic forceps. Herewith I transmit
a Treasury receipt for fifteen dollars being
required for the application. Please acknowledge
receipt of all these & any other communication
to me, Esq., No 15 Nassau Street New York,
and oblige

Yours truly,

Benj. Smith Lyon

[illegible]

[illegible] October 1760

60 [illegible]

Gentlemen

Enclosed [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Yours very [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] 15 Dec [illegible]

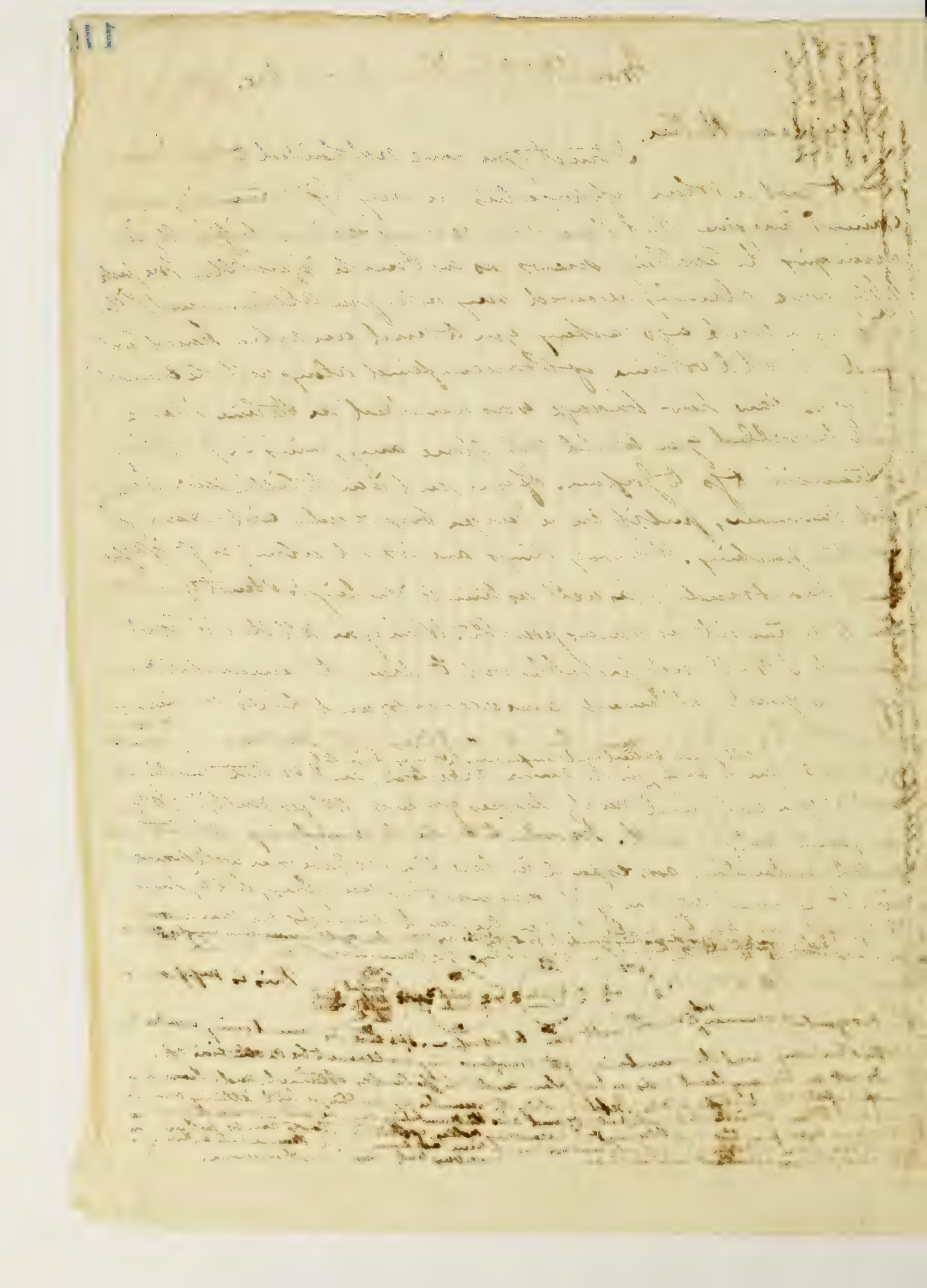
Dear James:

I send you herewith a [illegible] by the [illegible] of the Compound [illegible] with all [illegible] sent to the Patent Office [illegible] the seventh of December which [illegible] after [illegible] enclosed with a [illegible] dollars, the fee for an application. [illegible] of Patents in [illegible] clock with the [illegible] a model [illegible] what I wished you. I [illegible] too. [illegible] the [illegible] [illegible]

[illegible]

[illegible] the Patent [illegible] patents. [illegible] pay the additional [illegible]

[illegible]



Grand Hotel, Stockholm, 15 Dec. 1872.

Mrs. Susan L. Lesley

Mrs. Elisha Peck, Philadelphia

Dear Dear Friends,

I always intend to write you [illegible]

Grand Hotel San Francisco, 15 Dec. [illegible]

My dear Father:

I arrived here safely last evening, in just a week from Philadelphia, after as agreeable a journey as could be expected in such cold weather. I came by Pittsburg, Fort Wayne, Chicago and [illegible] & Omaha and the trains were about on time all the way except in arriving at Chicago more than [illegible] late, with hardly [illegible] to [illegible] in [illegible] the connection. [illegible] and [illegible] losing a whole day. [illegible] who left Boston Sunday ~~night~~ afternoon [illegible] on the train from Chicago, as they had missed their connection the day before [illegible] from sleeping car [illegible] [illegible] [illegible] from Boston and were [illegible] [illegible] to California [illegible] the coast [illegible] [illegible] women. Several [illegible] [illegible] their husbands, and a couple of elderly [illegible] [illegible] [illegible] visit sons [illegible] they had not seen for a long time. One [grandmother] [illegible] [illegible] [illegible] had the [illegible] [illegible] in the sleeping car and was therefore a sort of [illegible] [illegible] [illegible] in [illegible] [illegible]. On arriving here last night [illegible] [illegible] [illegible] [illegible] as she expected [illegible] [illegible] [illegible] a carriage to look him up. When [illegible] [illegible] we [illegible] [illegible] [illegible] [illegible] [illegible], and [illegible] [illegible] [illegible] [illegible] [illegible]. "Oh," said the [illegible] [illegible] [illegible] [illegible] clothes." [illegible] [illegible] [illegible] [illegible] a good house [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

San Francisco, California, 16 December 1892

Mon cher Gaspard,

Votre lettre a été reçue à bord
comptée pendant ma visite à Yokohama, comme j'ai
vous vous êtes bien dépêché en m'envoyant cette lettre
voyage le grand livre Lavoisier ne revient pas, car je viens
par ma dernière carte postale vous annoncer par
de votre lettre de M. Barbier en direction de l'école et pour
lui-même en même sujet. C'est très flatteur. Il donne
vous a pour cela un très grand talent. Il
a travaillé la terre depuis quelques années déjà et il me
vous l'a pas encore lui-même, il est très heureux
voyer pour cela qui est digne de son bienveillance. Pour
je lui ai mis la lettre de l'école à Boston, de plus
je l'ai laissé à Yokohama, mais il n'était pas encore
le retour de la campagne à cause du travail de l'élection
en Washington Roosevelt. — J'ai reçu aussi
la votre belle photographie, et je vous envoie de bons ma
photographie qui a été faite instantanément aussi
Je suis déjà en route pour le Japon comme vous voyez; je dois
arrivé ici avant-hier et je pars demain matin par le
Tamar. J'irai venu par le chemin de fer à travers le
Continent 3000 milles environ de Philadelphie dans
4 jours, je dois une semaine — Je vous envoie
par une petite surprise. Je vous envoie ci-dedans un
Traité de Navigation de Bowditch. payable à vous, to 3207, pour la
somme de cinq cents quatre vingt sept dollars, je vous prie
la remettre à Gaudin à Cherbourg la note gouvernement
m'enverra par les Messageries maritimes entre
les deux, mentionnés ci-dessus, en commençant à la date
à bâbe. Je pars hasard il restera un peu d'argent après tout
mon passage [illegible] Mercadier
[illegible] Yokohama, Japan où
[illegible]

Sanskrit. Grammaire,
Histoire des Progrès de la Religion [illegible] les temps.
Klaproth. Asiatic Magazine.
Feuillet. Cte d'Hauterive,
Rivoli. Dictionnaire (Creuzer Symbol)
Brunet. La Manille fr.
Coombe Explication,
Pictet. Palæontologie
Elements de la grammaire japonaise par le père Rodrigue
De Sacy. Grammaire Arabe.
Vase. Peinture et Relief
Vase. de Chine.
Vases. Egyptiens
Vases bleus [illegible] des Chinois, Drame.
Vase de Chine, grand parc, guadeille comme Cte de Hauterive
Dictionnaire Universel d'Histoire Naturelle.

Expositions sont tous les 5

San Francisco, Dec. 1872.

1st Dec. 1874.

Pennsylvania Company for Insurances on Lives
and granting Annuities,
No. 20 & 22 Walnut Street, Philadelphia.

Please hand to Mr. C. B. Lyle on board the
mail steamer, and very much oblige
yours, and oblige.

Benj. Smith Lyman.

Kamfpairs Hotel Yokohama Jan 1[illegible]

[illegible]

Secretary to Government of Japan

Department Kaitakushi.

[illegible] to inform you that I
[illegible] agreement with Mr. Kiri,
[illegible] arrangements, I have just arrived
[illegible] and am at your service
[illegible]. Will you be
[illegible] without delay, and avoid
[illegible] if you desire it, I will
[illegible] you have in performance
[illegible].

[illegible]

Sir

[illegible]

Your obedient

130

[illegible] June 25th, 18[illegible]

[illegible] & Mining Journal,

[illegible] 7 Park Place, New York.

Gentlemen [illegible] enclosed please find thirty cents in postage stamps [illegible] send me one or two copies of the number of your paper in which was printed [illegible] article [illegible] me on the [illegible] lately. I think in [illegible] of [illegible] My address is Care U.S. American Consulate [illegible] Japan.

If [illegible] to send you [illegible] of some [illegible] I send enclosed a copy [illegible] perhaps a year or more later containing [illegible] on magnetic iron sands.

Yours very truly,

[illegible]

130

[illegible] quantitative determination
of [illegible] notes after lectures of Professor Mayer
at Paris during School, 1880

I. [illegible] containing an alkaline iodide
an alkaline carbonate and maybe alkaline sulphide

1. Add nitric acid and nitrate of silver. Iodide of
silver is precipitated. Dry at 100° C, and calcine, to know
the determination is exact.

2. Instead of it we add just enough nitric acid to
neutralize by nitric acid, and add nitrate of silver.
And nitric acid to acidify, precipitate is precipitate of
which the iodine is calculated in method is more difficult.
Call them the determination a soluble iodine.

II. In presence of chlorine and an alkaline iodide
add nitrate of silver and dilute nitric acid. Dry the
precipitate and weigh, and call the weight P. It is called
iodide and chloride of silver. It is then decomposed either by
[illegible] by zinc. After the reduction

Treat with chlorine, which leaves off the iodine and
gives only chloride of silver. The washed dried and weighed.
Call its weight P'. Then by known reaction in a known quantity
of which it is decomposed and silver is left, weigh the
silver and call its weight A. Let x = the weight of the iodine
y = the weight of the chlorine, and z = the weight of the silver
in the salt reference to the formula of P and P'.

$\frac{x}{z} = \frac{I}{Ag}$ $\quad P = A - x + y$ $\quad y = P - A - x$ $\quad P - A + x = P' - A - x \frac{Cl}{2}$

$P' = A + y + z$ $\quad y = P - A - x$ $\quad P - A + x - P' + A + x \frac{Cl}{2}$

$z = x \frac{Ag}{I}$ $\quad = P - A - \frac{Cl}{2}$ $\quad x = 2(P - P') \frac{I}{I - Cl}$

If the coating layer is not removed by the action of ammonia, treat with ammonia, which leaves it. Add to the solution of the metal and weigh as the chloride. Ignite carefully in the crucible, and weigh. The metal is pretty pure.

III. In cases where the [illegible] is a little more difficult. Fuse a portion containing [illegible] and [illegible].

In this case of [illegible] and [illegible] is possible. The [illegible] is not precipitated by the [illegible] is insoluble in water. It is [illegible] soluble in [illegible] whereas [illegible] by ammonia. Weigh the chloride, and calculate the [illegible] a portion of the [illegible] contains [illegible] and [illegible] with [illegible] and [illegible].

[illegible] Add to the solution ammonia and nitrate of [illegible] precipitate [illegible] weighed as the chloride. Ignite the chloride and weigh. The [illegible] is [illegible] by the chloride of [illegible] can be calculated.

[illegible]

Tokei, 27 Jan. 1873.

Gen. H. Custer,
Comd. Yellowstone Exploration,

Sir

I have the honor to propose [illegible]
[illegible] for the geological survey of
[illegible]

[illegible] reconnaissance [illegible]
survey of the [illegible] would be of all to place on
[illegible] mountains mineral of value is highly
[illegible] before opening [illegible] work mines adapted
[illegible] which [illegible] claims may be chosen for
[illegible] by the government or by private
[illegible] Such a rapid survey should
[illegible] be made in the most promising
places should [illegible] carefully surveyed before
[illegible] a number of [illegible] of money in working
[illegible] [illegible] found out with some
certainty to [illegible] advantages and getting
on the mineral [illegible]. If [illegible] survey, or
[illegible] of the [illegible] City region, no doubt
[illegible] far to [illegible] it is likely

result from beginning a mine without a sufficiency of
help of the school and location of the mineral deposits. It is
a first, rough survey with a view to
blocked within the coming years, so that further
be devoted to the [illegible] geological survey
and perhaps the opening of mines

As soon as the survey is [illegible] the structure of
mineral deposits and the result would be a good deal of work
[illegible] of engineers and the mineral and mining
industries, and [illegible] a good share of such work could be
done by beginners under the oversight of a more
[illegible] man, and [illegible] moreover [illegible]
[illegible] to [illegible] more than others should undertake
[illegible] particularly [illegible] such work for the survey,
[illegible] second year's experience [illegible] would
[illegible] geological survey. It is advisable that [illegible]
[illegible] which would help in the survey, to
[illegible] so that would probably be engaged and
[illegible] amount of work that could be done in a given
time [illegible] large number could probably be attracted
[illegible] survey on the location they would require in
[illegible] oversight of any one [illegible], and would not [illegible]
[illegible] the expense of their salary and [illegible]
[illegible] especially during the early [illegible] survey

which will require so much travelling. Of the first half dozen assistants should make a hydrographic progress during the first season they may perhaps be able to [illegible] with an[d] several others with the [illegible] duties of the survey.

The assistants should not only be men [illegible] of bearing the [illegible] of a [illegible] travelling a good deal of bodily fatigue, but should if possible have at the outset some familiarity with geometry, trigonometry or even with the theory of land surveying, and [illegible] or at least with drawing. Some knowledge of mineralogy [illegible] would be useful, but can perhaps be picked up as far as absolutely necessary, either in the field or in the office during the coming winter or the few remaining [illegible] particularly [illegible] should be [illegible] though not quite indispensable.

[illegible] few weeks left of this winter might be turned to account by [illegible] a little practice [illegible] and in [illegible] of the [illegible] surveying instruments [illegible] be at hand.

[illegible] should be [illegible] the use of the assistants.

Expenses of Journey from N. York to [illegible]

M. Currency. Swiss.

Oct.
6 Fee Steam passage to Panama & Wakeana
4. Rail Road fare New York to San Francisco
7. Baggage 5 K. 2,75. Extra baggage [illegible]
8. Breakfast
9. Keeping [illegible] Berth [illegible]
9. Dinner 75 — Supper 75 — 1,50
10. Breakfast 75 Keeping ice boy 25 — Dinner 1,00 — 4,00
11. extra baggage Panama to San Francisco — 50
12. Breakfast 1,00 Dinner 1,00 — 2,00
12. Breakfast 1,00 — Dinner 1,00 — 2,00
13. [illegible] 6,00 — Keeping — 6,50
14. Dinner 1,00 — Supper 1,00 — 2,00
15. Dinner 1,00 — extra [illegible] baggage Express 3,00 — 5,00
1 £ = 113 Currency 189,10=16,05

14. Carriage & Hotel 1,00 — Boat 1,50 — 1,50
15. [illegible] 10 — 8,50
17. Carriage Steamer 1,20 — Porters at Steamer 1,05 — 2,25
18. Steamer boy ice Steamer — 5,00
19. Keeping ice boy ice Steamer 5 K. 1,00 — 1,52
20. Extra baggage ex S. K. Panama 5,00 Ice at 1,12½ — 5,12
19. Hotel Bill at [illegible] Evening Dinner — 5,00
444,22

Premium on 1,12½ Napoleon [illegible] 4,18
1,50

E. & O. E. Rec'd Dr. H. Lippincott.

Yale College, Feb. 1873.

Here I am at last established in
[illegible] according to command. I left [illegible]
[illegible] and after a long and stormy
passage arrived here about three weeks
[illegible] I am
[illegible] consideration and as regards
[illegible]
[illegible] I will begin until [illegible]
account of [illegible] I will then pay
[illegible] a little and
[illegible] I have [illegible]
[illegible] I have [illegible] Language.
[illegible] I am [illegible]
[illegible] Chinese, English and
[illegible] Chinese
[illegible] I am [illegible]
[illegible] I am [illegible]
[illegible] I am [illegible]
[illegible]

[illegible] Chinese Classics,
[illegible]

Babu Premchandra Chatterjee,

Library of the Asiatic Society,

Calcutta.

My dear Premlal,

[illegible] in Assam again, and according to the plan laid [illegible] was in the service of the Japanese Government [illegible] three years I was in Assam two weeks ago after [illegible] My boy and I were [illegible] and came just two months ago. Our sometime before starting I wrote [illegible] my resignation for so long an absence and did not [illegible] you as I had intended in order to give you my address here but I might find a letter from [illegible] after my arrival [illegible] I received [illegible] telling you how busy I was for your family troubles and difficulties, and asking a few lines from you some time, to let me know what you were doing for me. I should be still pleased if you can write to me in addition to your [illegible] but am rather baffled about the responsibility of your previous [illegible] Please write to me what you have done for me and tell me what

Col R. Maclagan R.E.

Secretary to Government of Punjab

Public Works Department

Lahore.

Dear Sir:

I wish still gratefully to thank you very much for the kind assistance you were so kind as to give my Punjab servants and myself in every part of India from the Punjab Government & the various officials everywhere. The practical effect of your kindness I shall never forget as you know I made good use of your kindness where I could in my work. I am very grateful for your kindness & hospitality to my people.

I send you with this a photograph of myself & my wife & my children. I hope you will keep it as a memento of your kindness to us. I am very sorry that I have not been able to see you before I left India but I was very busy & had to leave Simla suddenly.

I am, Dear Sir,

Yours very truly,

Rudyard Kipling

[illegible] reported, a rather longer [illegible]
[illegible] should be needed, but [illegible]
[illegible] larger share [illegible]
[illegible]. Can I [illegible] hand instrument.

Lam Sir Your

Sir

Your most obedient Servant

Benj. Smith Lyman.

Feb: 22 & 6. 1863. Saturday.

My dear Father:

[illegible] leave of absence for a month, to commence on the 1st of February, and that I am to be detached from the Steamer plying between San Francisco and [illegible] and to be ordered to the Steamers plying between San Francisco and Panama, on the expiration of the disabling and leave of absence of the Pacific Mail Steamers there is some irregularity in the sailing of these vessels, and I have as yet seen none for America since my last letter, which dated things from on the 1st to the coming month. I may be able to write a month for a couple of months after that. If you should not be expecting any letter from me by the fortnightly mail I should have written by the English or French mail, but notice of the mission has been sent in time for a letter to reach you that I may do so by this mail. The time for a letter to go by these mails from San Francisco to you is nine weeks instead of ten, and the postage is about thirty cents instead of ten; so it is not likely that I shall write by way of Europe, and you must not feel uneasy at the occasional omission of an American mail. There is a rumour that a rival line between here and California is about to begin running within a few months; after that there may be greater regularity in the American steamers even if the English ones do not carry a mail. A little competition will no doubt be good for the comfort of the passengers and the speed of the vessels as well as in other ways.

I am very glad you find the new house so comfortable even in cold weather. You say the mercury does not go below sixty above at zero at present; would that as much could be said even in the Climate! I imagine that the mercury here has not at any time this winter been below 20° or perhaps 25°, yet I have found the difficulty in getting the thermometer in my sitting room up to sixty at noon when the sun shines in by three windows. I have but only a very small coal stove with a very large pipe but I had only a very small coal stove with a very large pipe about six inches long. Most of the heat went up the chimney and in spite of a [illegible] coal the room was very cold in the morning. The little bed room [illegible] seemed with the stove was very [illegible] looking why cannot he [illegible]

[illegible] in the [illegible] [illegible] [illegible] [illegible] with an [illegible] most by a continuation of [illegible] and similar exposures a [illegible] a bad cold was brought on which was made worse [illegible] out of doors after [illegible] my cold had [illegible] culmination, by Grandmother and Towne, both of whom [illegible] of [illegible] and I was very uncomfortable there, and having held to bed [illegible] into the [illegible] [illegible] the night before, [illegible] again [illegible] a good part of the day since that. [illegible] cold has [illegible] been leaving me until now scarcely a trace of it [illegible] is left. At the time of the culmination [illegible] [illegible] I was furnished with a more efficient stove, a Japanese [illegible] copy of a [illegible] American sheet iron air tight, which seems after all to be the most [illegible] [illegible] stove here. In these air [illegible] rooms the air is not [illegible] harmed by the stove. The rooms are papered around the walls, [illegible] carpeted with drugget (even the bedroom is so now) [illegible] ceiling of wood as of old, with unpainted boards resting on joists about two inches square and eighteen inches apart. [illegible] [illegible] the dryness of the air, since my illness especially, has made these boards shrink and warp in some places [illegible] near the stove, and has had a [illegible] effect on the floors so that there are [illegible] many cracks where the air comes in. My sitting room [illegible] [illegible] and the bed room [illegible] [illegible] are the only rooms yet furnished for me; but last Saturday they put some furniture into the corresponding rooms on the other side, the big room where the grandmother [illegible] the day after my arrival; for I expected my [illegible] Constable [illegible] to come up and spend Sunday with me, though as it turned out he did not come. To-day they are apparently putting at last some furniture into the big room, [illegible] the dinner was, and which is theoretically my parlor and dining room. All these rooms open together with doors and besides the three rooms [illegible] have doors upon a [illegible] that passes them on the north. On the south [illegible] main room [illegible] three windows ^(overlooking [illegible]) upon a small yard running the length of the rooms and some 20 or 25 feet wide, surrounded by a high black fence [illegible] bamboo pallets on top. Above the fence can be seen, to the south just [illegible] [illegible] the low roof of one part of the mass of buildings [illegible] [illegible] and that part is inhabited by the two Dutch ladies. [illegible] [illegible] piano sometimes in the evening. The girls they teach [illegible] (some of them at least) in the room or rooms just west of mine, [illegible] [illegible] hear them a good part of the day through the [illegible] partition, [illegible] and [illegible] or studying aloud. My cold with cough and [illegible] [illegible] not confined me to bed nor except that one day interfered at all [illegible] my work; but [illegible] my social entertainments. Not [illegible] [illegible] to give up living with Mr. [illegible] one of our [illegible] [illegible] [illegible]

[illegible] Lady - Dyer and [illegible] and [illegible]
on and some other [illegible]. After tea I went with the Captain and Robert Graham [illegible] to
[illegible] belong and his wife in the afternoon, and came
back at night. Mrs. Dyer with the Captain went [illegible]
violation to pass an evening (Thursday) with the two Dutch Ladies
neighbors. We found a Dutch gentleman [illegible] who has been
[illegible] (if not the highest foreign) at the Naval College here, and
[illegible] came in a Japanese gentleman named [illegible] with
[illegible] and his young nephew. The Japanese lady was dressed
in Japanese fashion [illegible] a European. The Dutch lady with
[illegible] and two daughters very quiet but evidently [illegible]
[illegible] and both the ladies spoke us Americans.
The Dutch ladies played the piano finely and [illegible]
accompanied them well and Robert. [illegible] would have lived at Hotels in Yokohama and [illegible]
Japanese. Their names are De Ruyter and [illegible] Water. They
visited Port Lyman Lymsin is a dutch name and pronounced
like ours. [illegible] Wednesday night ago at the Captains at
dinner with [illegible] party and took a little [illegible] talk with them
They prefer talking French to English although they talk English
very well, and I am always glad to practice French. I can read
and [illegible] a little of their Dutch from my knowledge of German and
[illegible]. The day cold and the afternoon of the evening [illegible] weather
has been fair with few and small exceptions since my arrival
here until [illegible] more than a slight sprinkling of snow that quickly
disappeared. My cold and [illegible] my trip to Yeddo
[illegible] invitation which Mr. Wm E. Griffis, a Philadelphia
[illegible] wrote for the Independent, made some in person to
me I met a gathering about two days ago at his house, a meeting
of a literary club [illegible] like the Odd and Red Club of Yokohama. He was to read a paper himself on his experiences
[illegible] years ago in a country place under the rule of
Daimios, before the dairies (or Japanese nobility) gave up their
power. Mr Griffis is professor of Chemistry in the Government
school or it used to be called, or the College of the Kaisei
[illegible] it is now called Tokiemi. He came a humorous
[illegible] here for making with their families some forty or
fifty Americans and the meeting would have been a [illegible]

Yedo, 23 Feb. 1873.

My dear Keller.

It was finally decided yesterday [illegible] that I should telegraph to you to have you make for Yokohama in 1874, including wife and [illegible] believe the latter. You told me before I came away that the price of instrument would be two hundred and twenty dollars. We think of telegraphing to you from [illegible] by the steamer that leaves San Francisco [illegible] gentlemen will arrive at Yokohama before the end of April as we are going to [illegible] so that we can be there [illegible] with us. As the mail leaves tomorrow [illegible] I shall go through the formalities necessary for sending [illegible] shall be sent by the next mail about a fortnight later. If you have to buy anything [illegible] San Francisco, [illegible] I shall be glad to [illegible] pay you what you paid for [illegible] you will have the instruments in hand by the time mentioned [illegible] and start without delay as quickly as possible by the quickest way. The telegraph is not finished through here so that messages have to go by steamer to Nagasaki [illegible] will be more for a few days because, [illegible] delay, but I think not so much. Philadelphia instrument makers I am sorry may have cut the best operators [illegible] perform work, but I feel that you will be able this time to do that and to learn the Japanese way of keeping [illegible] hands. These instruments are to be used by [illegible] I know no American [illegible], they will [illegible] and we are to have eight [illegible] to be [illegible] and to be in the service. It is likely so [illegible] fully decided) that another American assistant, [illegible] engineer, will be arriving [illegible] to do the [illegible] work.

[illegible] Shall will be not only
a special pleasure but as part of a complete trigonometrical
and topographical survey of Island. Here are we indeed
[illegible] now on board Lagoda on our ordinary homeward
[illegible] I don't know whether we could undertake
to make a large trigonometrical station [illegible] but
how long and what it would be [illegible] with any
kind [illegible] we could [illegible] doing. I could see a plan
[illegible] made with a theodolite reading on the same plan
as the [illegible] are you have been working for me? and I
[illegible] have objection for such a large instrument
I would think that the ring for graduation might be made
[illegible] of a tube bent round & more easily [illegible] a section like an
[illegible] I or T, and connected by spokes with the centre ring
[illegible] Mr. What do you think of that and what would be the
weight of the lightest and best instrument [illegible] purpose
would have to be carried by men as it would have often
[illegible] there are no roads. Perhaps in certain parts it could be taken
[illegible] I am [illegible] over me & all [illegible] matter.
[illegible] as you can [illegible] I will [illegible] & cost
[illegible] anything. Address me to the Care of the American
Consul, Yokohama Japan, as letters will reach
me so perhaps a little quicker than to the [illegible] care
[illegible] Hakodadi [illegible] please
let me know [illegible] being alive & to what date

You would be surprised at the [illegible] with
[illegible] our friends received us [illegible] in
January after a voyage [illegible] they
were [illegible] that no body [illegible] the Kamtschatka and
[illegible] mistaken ships [illegible] and [illegible]
[illegible] [illegible] arrival a grand [illegible]
given in my name by the [illegible] acting Governor
(in Hakodadi) and all the foreign and [illegible] [illegible]
[illegible] were [illegible] [illegible] [illegible] [illegible]
[illegible] ladies, very agreeable [illegible] [illegible]
for [illegible] is no news of a [illegible] [illegible]
[illegible] all quiet and [illegible]

Telegram

Keller, Thirty three North Seventh Street,
Philadelphia.
Send me quick three full transits like
Capron's.

Yedo, Japan, 9 March, 70

Messrs. Dana & Silliman

Publishers of Am. Journal of Sci. & Arts.

Gentlemen:

Your favor of 7th September came to hand
some time since. I enclose herewith in postage stamps
the seventy five cents due for postage on the Journal
the current year, and did not send it before from
ignorance that prepayment was required.

Please Change the address of the Journal to
me to Care of the American Consul, Yokohama,
Japan, and oblige

Yours truly,

Benj. Smith Lyman.

Yedo, Japan, Feb. 1, 1875.

My dear Keller,

In accordance with what Mr. [illegible] last [illegible] all the money needed for the three remittances ($220), ordered by telegraph a fortnight ago is going by mail to Mr. [illegible] Japanese Chargé d'affaires [illegible] here, and he will pay you. Perhaps it will be best for you to send in your bill to him without waiting for him to write to you, saying that you are informed that he has been provided with the funds for the payment, and that you are to look to him for it. I trust that the instruments will in use prove so good as to establish your reputation here permanently, and that they will be forwarded so promptly as to remove the impression that has gone abroad that you cannot deliver instruments quickly. It seems that Stackpole's instruments are for sale in [illegible], and as they can be delivered so much more quickly than Philadelphia ones, some kind advantage over them ought to be theirs. My American assistant Mr. Henry S. Munroe has been bred in the belief that Stackpole's instruments are unsurpassed; and I think it will [illegible] him converted to the true faith.

I have not yet recommended the purchase of any of the transits (though I think they may be desirable ones for you), as I am not yet quite sure of my personal interest in them. I hardly [illegible] will [illegible] partly from [illegible]

will be removed on the arrival of my new transit. I expect one aboard daily, and long for.

Nothing has been decided yet in regard to the trigonometrical survey of the Island of Yezo that has been projected but if it should be ordered it would be under my general management but under the special care of an American assistant or two that would be assigned to me in addition to those, and they would work separately from the Japanese party or parties. You see Gen. Enfield is endeavoring to put me forward in great prominence by putting heavy responsibilities on my shoulders. Besides I am to have half dozen, or rather eight young Japanese men to be assigned to me as student assistants, young men of about twenty years old. If a trigonometrical survey should be begun, it is possible the U.S. Coast Survey could spare a theodolite for us; still, I would like an answer to the question I put you in my last about the cost and time and possibility of procuring one.

I know that you are dying to hear some of the things of this country and I would take great pleasure in describing to you the little I have seen so far, if there were not such a flood of letters to send off by tomorrow morning's mail. Meanwhile I only wish you could have been with me when a friend from Yokohama spent Sunday with me, and we went in the evening to an Inn house and heard a couple of singing girls and had our dinner. You would have been diverted with the many impressions you have of the Oriental in manner & life & the Japanese public inn would have a benefit [illegible]

Yola, 9th March, 1873.

My dear Father:

Your favour of the 24th and twenty-fifth [illegible] came to hand on the last day of February, and was most welcome in spite of your feeling so sure that there was nothing worth writing about. I am very glad therefore that I urged your writing so strongly; for otherwise letters would evidently have come but seldom indeed. As for [illegible] I take papers I take. Only the weekly Republican besides the [illegible] paper (the irregular from the Bonny mission which I edit) and a New York weekly shipping paper for [illegible] and shipping [illegible] news, also a weekly paper (a friend of Jordan) from Calcutta; and find them [illegible] leisure to do even justice to so much literature. Of newspapers here I take none yet, although there are several English dailies at Yokohama; they are all poorly edited and very dear ($20 or $24 a year). I have a little hope of buying (partly for the sake of the language) both the daily news from one of several native newspapers that are published here. There are — quite a number of such papers already begun even in towns far in the interior of the country. — A good deal of my time at present is given to studying the language and I can already make myself tolerably understood on ordinary matters, better perhaps than I can understand, as I have more practice in talking than in hearing. [illegible] desire to learn English on the part of Adachi, my principal boy, and on the part of [illegible] I see. I have got so far as to be able to read a child's [illegible] the more difficult of the two Japanese modes of [illegible]

[illegible] Chinese characters which are mainly
[illegible] for writing by the educated Japanese; and I think it
[illegible] will be useful to me in China, if I
[illegible] go there. As work for the Kaitakushi, that has to be
[illegible] carried mostly by laying plans for the summer
campaign and taking part in manoeuvres, in which
[illegible] things are discussed. At length however eight
[illegible] young men have been assigned to me to assist
[illegible] with. Mr. Kinnosuke who told me yesterday that he was
[illegible] to be in my classes of Japanese, and thereafter
[illegible] to have his special training is to begin, I mean
[illegible] in surveying, mapping, mathematics and such
[illegible] things. It is not expected that we can go to Yezo before
the end of April the season is so backward there.
[illegible] season is much more forward, though perhaps
[illegible] more. The nights are still quite cold, but
the fine weather the day is pretty warm. A week
[illegible] ago [illegible] the day was big enough
[illegible] uncomfortable at noon to sit with my overcoat
[illegible] in what might be called the open air, that is, in many
[illegible] Japanese tea houses. Mr Inagaki came to
[illegible] Enoshima spent with me, and we passed the day in
[illegible] sight seeing. After an early breakfast we went to see
[illegible] the Hongwanji Temple close by (Hongwanji called by me, as
by foreigners generally, the Kwaiba temple, but Kwaiba is
[illegible] merely the name of [illegible]. On either
[illegible] side of the temple the two [illegible] Tycoons have
[illegible] their fine small tea [illegible] enclosed with [illegible]
very richly ornamented with wood carvings, with the
[illegible] sliding panels [illegible] and with gold
[illegible] lacquer ornaments of great [illegible] The building of all the
tea [illegible] are [illegible] with
[illegible] [illegible] [illegible] [illegible]

pictures of Chinese houses on your blue china. Re-
-mind Emily is sometimes at a garden and has a
Zozzy's under the table you are half afraid mamma won't
Curtsies towards a small photograph of the Monday Pag-
-oda at Shakness and the guards of the [illegible] which we visited last
afternoon. We having the Yeomans grooms and the
top road yellow pumice dust [illegible] towards
Yokohama and down into Tory, we went a
jinrickshaw a small carriage built very much like
a large baby wagon on two wheels and the
usual conveyance in Yokohama by two men each
on assuming the length of an excursion, it is usually
called Ojiki just beyond the [illegible]
is [illegible] the residence [illegible] about the middle
I send you by this mail. The valley is called Kiga
or seven miles from the centre of Yoko, and our men
pulled us there in an hour and a half, with no rest on
the way except while we from choice walked up one the
hills. The distance from the Hozu's temple must
be some eight miles. On the way we passed inside the
outer moat of the Mikado's castle and straight acr-
-oss and across the space inclosed by it, a space filled
mostly with large "yashikis" or enclosures in which
great daimios used to have their houses. The enclosing
of most enclosures are lined with plain two story buil-
-dings continuous and without doors on the street side, in
-side the daimios sometimes put the remain-
-der of their [illegible] but yashikis are now [illegible]
used as barracks for soldiers, especially [illegible]

some distance from the principal officer, but on the other side of the door. In front of the officer, it was separated only by a thick paper sheet which could be opened along the sheet side and formed into shoji, some of which were taken down altogether. After crossing the river we passed through [illegible] and at the eastern [illegible] entered through some long embankments and at length into the open country. Finally we came down into a village and by a photograph studied beforehand, [illegible] here at the one we visited [illegible] house that has been established, it is said, by Okubo on the [illegible] about the Mikado in Japan. It [illegible] to be a house recommended to me by many Japanese friends, and called the "Home" in Japanese. [illegible] for back from the street it spreads out in the rear of a [illegible] was only separated into rooms at will by sliding screens or shades covered [illegible] and the entire sides of the rooms could all be thrown open in the same way. [illegible] in great part were so. There was no furniture, no chairs or tables but the floor [illegible] with shining clean mats, which it seemed a shame to soil with our muddy boots. [illegible] we heard the [illegible] girls in attendance wiped our feet carefully with a rag, and we then went in and sat down on the floor. They afterwards brought in for us a small stove and a couple of chairs in case for but an emergency. There were six or seven of these girls who served us [illegible] we ordered and chatted with us. But there was no attempt just then to take away their attention. My friend [illegible] still less progress in the language than I, so I was the [illegible] peter. Just before we came away the girls told us their names and ages, and there were only four [illegible] than myself, much less than I had supposed [illegible] man here does generally very young for ten age. We had a thoroughly Japanese meal in a room at the back of the house overlooking a [illegible] stony brook ornamented by gardening on its banks. The [illegible] was rice [illegible] preparations of fish and [illegible] and tea [illegible]

We were provided with a small [illegible] of tea.

By the bye we rather pretty ended were good natured
[illegible] asked us, picking up a few English words and the time
[illegible] especially to the end of our tour and a half
[illegible] left to village and [illegible] came to before we met
[illegible] we were [illegible] and as many [illegible]
[illegible] it. I did not recognize them at the time, but found
[illegible] that they [illegible] were our Kaitakushi Dept. of Education
[illegible] going to Ogi, for it is a favorite place of resort
[illegible] and among foreigners, especially at this
[illegible] when the plum trees are in flower. He
[illegible] delightful and large groups of plum trees
[illegible], and there [illegible] time. He had also been given
[illegible] small grain offering by the Buddhist priest
[illegible] tomb began by the Tycoons and [illegible] that the tree was
[illegible] years old, about the same age as the tomb. This young
[illegible], by the way, and the Japanese man had [illegible] to call him
[illegible] related as we were looking at the temples of the Hachiman
[illegible] and the tomb. The resemblance is indeed so striking
[illegible] been remarking on it all afternoon among in English.
[illegible] Buddhists in Japan have within a year or two adopted some of
[illegible] rules very much as I was told and among wives.
[illegible] Ogi we went to Onuyama (or Hill of Tails) a place of the dead on
[illegible] left of the city. There are many temples and Tycoons burial
[illegible] and about
[illegible] there of like on the north, but very few
[illegible] Nikko is
[illegible] laid almost west and the great temple
[illegible] quite yours. The last build of the revolution is said to
[illegible] plan be about [illegible] years ago. The present governor
[illegible] not is not
[illegible] which (the Shinto) and does not [illegible]
[illegible] temples
[illegible] keeping up the Buddhist temples here
[illegible] they
[illegible] be. After seeing the tomb [illegible] we
[illegible] not to the
[illegible] ogi [illegible] in [illegible] and the
[illegible] of Amida
[illegible] close by it a still finer, [illegible] and stone
[illegible] Shinto
[illegible] me [illegible] lying on the very [illegible] in a
[illegible] Japanese fellow
[illegible] place [illegible] that very friendly [illegible]
[illegible] with
[illegible] [illegible] [illegible]
[illegible] and
[illegible] [illegible] [illegible]
[illegible] hill [illegible]
[illegible] and
[illegible] [illegible] [illegible]

Wilcox, 12 March, 1878.

Genl. A. Custer.
Commanding 7th Cavalry,
Kentucky.

Sir.

In answer to your inquiry as to the number of men that ... geological survey ... Reg't of Cavalry, besides the ... assistants already assigned and the ... been ... already decided ... the Secretary of the Interior, about fifteen men will ... be required ... men and ... advance ... Common Carts would answer this purpose, but it would be well that they should be ... with ... men as possible ... five of them for ... men. ... men would ... the time have little ... the ... of ... particularly, on the ... Reynolds returned ... account ... other ways, such as helping in the ... or packing of camp.

It is very difficult to ... with precision in advance ... men ... with ... of the ... and of the ... with which men ... a ... the ... fifteen men ... with ... for ... marching.

... Smith Lyon

[illegible], 13 March [illegible].

Dear [illegible]:

Do not fail on any account to come up on Saturday afternoon and spend Sunday with me. Although there is [illegible] [illegible] [illegible] and is [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] questions [illegible] the arrival of the next American Steamer; and [illegible] [illegible] [illegible] have to lodge you [illegible] [illegible] [illegible] [illegible] reason. I may possibly have to go down to [illegible] you on Saturday afternoon; but it is not likely, for I am quite busy now in [illegible] and [illegible] my [illegible] assistants. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]
[illegible]

Yedo, 23 March, 1873.

My dear Father:

The time has come quickly round for the American mail, but as there has been no arrival of a mail from California I have no letter from you to answer since mine of a fortnight ago. The time has perhaps passed more quickly than my having been so much occupied for weeks with the teaching in training of my pupils in part partly in surveying in the field and partly in mapping in the room and partly in arithmetic and geometry. My field work has so far been wholly in the large school yard of irregular shape, and has been done between nine and ten in the morning of alternate days while the drawing and mapping has been done in the same hours on the other days. During that work the larger time needed for mapping some good full days have also been given to drawing. We shall soon have to go to greater distances for field work and perhaps to start at seven o'clock in the morning so as to be back by noon. In the afternoon there is a class in geometry and one in arithmetic (for the young men who well enough taught in Japanese learning are very ignorant of arithmetic) and a lesson in the blackboard by Mr. Hanna, my assistant. He also takes the lead in the teaching of drawing which he had been teaching in the Kaitakushi school, and is a very good draughtsman. Nine days ago just before the end of school hours in the afternoon (1 to 4) a note was brought that the school (excepting my assistants) be dismissed from that date, and not be reassembled until some changes in its organization had been made. The order took every body by surprise, but the hundred students quietly dispersed without half an hour's notice. The school with the British teachers for the last is to be kept on as before. It had been taken from

for his occupation but has not suddenly found more
leisure, as well as some of the younger men engaged as teachers.
There is a rumor that the school will not be reassembled under
this Department again, but under the Department of Instruction
and that he will perhaps be one of the teachers at that Place under the
Department. It would seem to be a good arrangement for
his general of last summer with this Department to allow
such efforts as he may be disposed to remain here not be
agreeable. We keep pleasant often as much as possible
but when we do happen to meet we are as polite and cordial
to each other as possible. We met [illegible]
[illegible] Dutch ladies a week ago last Monday and both
seemed very much pleased, but kept not quite so long as
usual of the evening. His wife too, who would invariably
American came into the room on purpose to shake
hands with me, but we had scarcely any more than
the least, was at the piano with piano, violin and
flute playing. The guests were not many, but all the Baltimore
Americans and a few from the Department at Washington. The
supper was magnificent [illegible] so much so, it seemed to me, and
the evening was generally agreed to be very delightful, the
pleasantest party of the season. I also I went with
Mr. Coffman, to spend the evening with the Dutch ladies, and heard
some music again from them and Mr. Corning, the Dutch
gentleman and apparently intimate friend of theirs, there
[illegible]. The Dutch ladies at parting said they should be at
home every Monday evening thereafter to see me, to encourage
encourage by regularly going the excellent suppers and
staying at home one evening in the week to receive visitors.
And I said to Mrs. Coffman three weeks or more ago that I
should do as much, if there were one evening when I
could upon finding the Dutch ladies at home, saying as a
reason for my having hitherto so [illegible] neglected
visit such agreeable ladies. Although they are as it were in
some building with one and a [illegible] of [illegible] windows, yet
[illegible]

3

My German steamer comrade Schenk came up and spent
last Sunday with me again by special invitation. We had
pretty good weather and walked through some of the prin-
cipal streets to the northeast edge of the city — just about at the cor-
ner, the right hand lower corner of the map I sent you, to a
called [illegible], where there are a very large number
cherry trees that are said to look very finely in the spring
when in bloom. We were quite too early [illegible]
[illegible] very large [illegible] well in [illegible]
and looked very fine. There was a tea house there and
Japanese visitors, among whom the ladies seemed to [illegible]
numerous, for example a father and mother and several un-
married daughters. The tea woman had some difficulty in un-
derstanding what we wished for in the way of food and two or
three young gentlemen gathered about us. Presently one of
them asked Schenk in German if he talked German, and it
turned out that they were pupils in a German school in
[illegible]. They could talk but very little German after all, but it
pieced out my poor Japanese, so that we got our lunch.
We ate it sitting on the edge of the clean floor of one room of a small
house that was all open in front; in two or three [illegible]
neighboring rooms some lively Japanese parties took their
refreshments at the same time. There were also a few tables
or bench seats scattered about under the trees. The young
ladies were gaily dressed and had bright faces and
were sometimes quite pretty. After an hour or two of rest we
came home again in "push carriages" or jinrikishas, drawn
rapidly by two men each. In the evening at dinner I asked
[illegible] what would be a good entertainment for Schenk
and me; and after a short consultation in Japanese
[illegible] he answered that there was one entertainment
the Japanese liked very much [illegible] [illegible] he feared we should not
like it [illegible] not understanding [illegible] the language. Nevertheless we
[illegible] went to see it, and after [illegible] [illegible] to three hours [illegible]
[illegible] [illegible] [illegible]

entertainment from 16 to a [illegible] at
the stage before which a curtain rose and fell at
and end of each part of the evening performance
[illegible] accompanied their singing by playing on the
an, a three stringed guitar. Their singing seemed to be
and consisted in turn of a dialogue like an opera, but
ut acting. They had begun about [illegible] o'clock and lasted
this part was often [illegible] we sat [illegible] and got long [illegible] off.
[illegible] room dimly lighted, as well as the stage, by only two or three
small lights. When we sat was a small part of the room a little
[illegible] for a seat, the rest of the audience about half filled
the room towards the [illegible] and all [illegible] the room making with
special regularity and had tobacco and tea served them from
time to time according to their orders. A cup of tea was not dear
[illegible] it was about a cent and a half, but that was
and paid all together about eighteen cents, because it was man
who left the room without for something extra on account of
[illegible] it making by wearing our boots in. The custom was
[illegible] all kept their shoes at the door where there was a big
[illegible] for them with numbers, but I took mine
in our public cloak room.
[illegible] the performers were all men many of the audience
women; and all seemed to be of the respectable working class,
[illegible] as could be seen in the dim light. The jokes from the stage
met with a ready laugh, but there was no [illegible] applause. It was
the general opinion, [illegible] that the performers were
good the [illegible] not to good. Such performers have engagements
[illegible] a month and [illegible] a house, [illegible]
the month, and then was an [illegible] the first night of a
engagement and so they were new to the audience; and it
thought that [illegible] they would do better. On passing
[illegible] afterwards by day light I found to be a very humble looking
[illegible] [illegible] [illegible] [illegible]
[illegible] and got by [illegible] first time I sat with [illegible]
[illegible] but to-day it is [illegible] again, but night it [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]

Tenjikubotsubi is the name of a god of [illegible]
of the old demonology of Japan. He is represented
as standing upon a huge frog with hands clasped
in a peculiar manner.

The seven Buddhist gods of good fortune (the
[illegible] are Benzaiten the goddess of love, [illegible]
Bishamon the god of thought with a tower in one hand
and a trident in the other; Daikoku the god of
wealth, with a bale of rice and a hammer; Ebisu
the god of wealth with a fish and a fishing rod; Hotei
Juro; and Jiuro. The last five at least, have very large
ears to their ears, a sign of good fortune.

Jiuro is represented with a very high head
and with a staff and tortoise as with a crane.

Edo 20th March, 1873.

S. Lay.

Mr Lyman
requests the pleasure of
Miss De Forest's
and
Miss Tolcott's
company at dinner
tomorrow evening at seven
o'clock, to join Mrs.
Lyman and two or three
friends in celebration
of the birth day of a favorite
of Miss Tolcott's
Tuesday April 4th 1876.

Miss L. Lyman Esq.

Dear Sir:

Will you give
me the pleasure of your
company at dinner to-
morrow evening at seven
o'clock, to celebrat the
birth day of a favorite
of mine and of one of my
sisters?

Yours truly
Benj: Smith Lyman.

List of Articles desirable for the Texas Geological Survey

1 Geological
2 Pocket
3
3
15 Light
6 Thin
3 dozen
15 Pocket
2
3
1

15 [illegible] Crayons [illegible] and Rubbers.

15 Hardmuth Pencils

3 Dozen Red Chalk pencils, Copying

3 [illegible] of Steno, Longest Size

Dublin 9th April 1878.

B. Ed.

Sail Cloth for N. Sea Boat & Compass

15 Small drawing Do
4 large drawing Do
2 Do for small drawing board Triangle
15 Level tubes fine Steel long.
15 Steel Pipes.
" "
20 Rules
" "
" "
2 Geological Hammers.
" "
3 small sledges.
3 large sledges.
3 Mattocks
3 Cross handled "
15 Spirit vases.
6 Cross cut files for sharpening saws.
15 Brass blank discovery notices
3 Portfolios for blotting Sheets.
3 Brass Ink pots
12 Black lead pencils.
" Pocket "

15 Ink bags [illegible]

15 Pocket Compasses.
6 Aneroids.
3 Sets of drawing instruments.
15 Steel spacing dividers.
15 Pocket lenses.
1 Box of colors.

15 Satchels.
15 Hammer belts.
3 Boxes Lee's Red Chalk pencils.

3 Maps of Texas, Largest size.

Lieut. Lieutenant.

[illegible]

Boring Tools
ordered of Whitfield & Dowson,
20 Feb 1873.

To feet of Boring Rods 1¼ in. Square, in 20 feet lengths, with a dozen short pieces, with screws rivets and rings. @ 20¢ a pound.

36 steel chisels, of which 6 reamers 1 & ½ with edge in form of cross. @ 30¢ a pound

12 wrenches for screwing & unscrewing the rods @ 20¢ a pound.

6 hand pumps, 2¼ inches diameter. @ 5 per end

1 steel tap. } @ 15 per.
1 steel die }

N. B. The cents mentioned are per cents.

Benj. Smith Lyman.

Exd. April 1873.

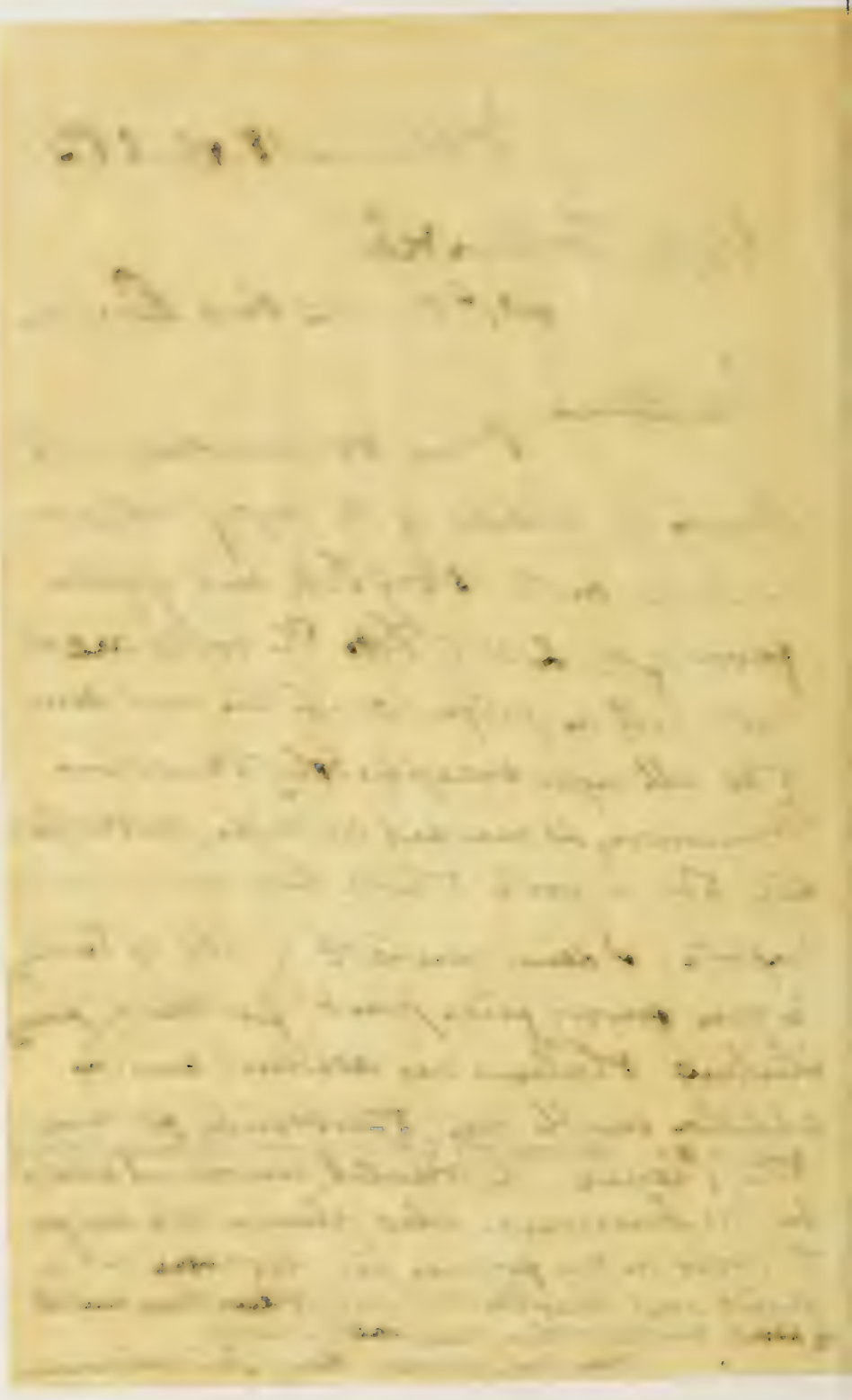
Herrn Carl
Conrad Hoffmann Söhne,
Berlin.

Yokohama, 18 April, 1873.

Messrs. Trübner & Co.
60 Paternoster Row London.

Gentlemen: I have duly received with thanks the receipt of the box of books you sent me on the 13th of Feb. and of your favor of the 21st of Feb. The books are also now all in perfect condition and seem to be all right except Boltz Russian Grammar, as marked outside, proves not to be a book of help Russian and English. I send herewith a bill of Exchange in your favor (first part) for twenty pounds Sterling to balance an account and in addition enable you to subscribe for me (beginning with the first number of the current volume) to the "Phenix", the Oriental periodical edited by Mr. Summers. Also please look out for the books on my former list that were out of print and [illegible] not sent; & keep them until I send another order next [illegible]

Very truly yours, Benj. Smith Lyman



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Your most welcome and excellent letter
[illegible] I have received
[illegible] and have always
[illegible] days.
[illegible] conversation is my delight. [illegible]
[illegible] opening the letter and was in
an adjoining room
[illegible] Mary
[illegible] was [illegible] in Japan. [illegible]
[illegible] us
me and, as the [illegible]
[illegible] pure [illegible] day. I did
my utmost [illegible] write a long letter
were suddenly roused by [illegible]
of early [illegible] per Yeso which [illegible]
[illegible] summoned a [illegible]
all was hurry and confusion
we had not only [illegible]
per clothing [illegible]
[illegible]
days as per [illegible] per a party! a Japan [illegible]
[illegible] the [illegible] pedlar in a good [illegible]
[illegible] a peasant [illegible]
[illegible] cooks making [illegible]
[illegible] about three days we [illegible]
[illegible] Cookies [illegible]
[illegible]
[illegible]

P.S. I must not [illegible] my [illegible] [illegible] [illegible]
[illegible] [illegible] by a [illegible] [illegible] my [illegible] in the sight
of [illegible], [illegible] [illegible] in [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]

You must not take [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], and we are very good friends. — I have done [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. You speak of the [illegible] of [illegible] [illegible] [illegible] [illegible] [illegible]; I [illegible] and sometimes I [illegible] as successful [illegible] I [illegible] there will soon be [illegible]

Kingston, 5 June, 1865.

I am satisfied that we can
have no
to along together very well
if you will

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